| | | | |
|---|---|---|---|
| Name | OJ990211_02.9819.C36.o2.gp | Method | AAT/GAP |
| Start | 6677 | End | 7088 |
| GI | uC-osrocyp003d03a1 | Score | 689 |
| Exons | 6677..7088 | | |
| GI Descrip. | '5902672/gb\|AAC79672.2\| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]' | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o3.gs | Method | GENSCAN |
| Start | 7017 | End | 9051 |
| GI | none | Score | .53 |
| Exons | 7017..8431, 8525..8653, 8747..8882, 8963..9051 | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o1.tm | Method | TBLASTX:Maize |
| Start | 7994 | End | 9054 |
| GI | none | Score | 670 |
| Exons | 7994..8431, 7995..8432, 7995..8435, 8176..8433, 8514..8654, 8515..8655, 8522..8653, 8722..8859, 8729..8863, 8744..8881, 8745..8888, 8745..8882, 8960..9049, 8960..9010, 8962..9054, 8962..9054 | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o1.ts | Method | TBLASTX:Soybean |
| Start | 8016 | End | 9049 |
| GI | none | Score | 312 |
| Exons | 8016..8276, 8018..8239, 8172..8294, 8282..8422, 8286..8432, 8514..8654, 8517..8651, 8519..8653, 8744..8866, 8745..8855, 8755..8886, 8956..9048, 8960..9049 | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o3.gp | Method | AAT/GAP |
| Start | 8041 | End | 8887 |
| GI | 4715805 | Score | 1245 |
| Exons | 8041..8431, 8525..8653, 8747..8887 | | |
| GI Descrip. | 5902672/gb\|AAC79672.2\| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans] | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o2.tc | Method | TBLASTX:Cress |
| Start | 8139 | End | 8338 |
| GI | none | Score | 289 |
| Exons | 8139..8336, 8141..8338, 8170..8337 | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |

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|---|---|---|---|
| Name | OJ990211_02.9819.C36.o1.tw | Method | TBLASTX:Wheat |
| Start | 8208 | End | 8798 |
| GI | none | Score | 139 |
| Exons | 8208..8432, 8292..8435, 8517..8588, 8520..8609, 8624..8650, 8625..8654, 8745..8798 | | |

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|---|---|---|---|
| Seq. No. | 6758 | Seq. ID | OJ990211_02.9819.C36 |
| Gene No. | 14197 | Strand | + |
| Start | 2780 | End | 9134 |
| Name | OJ990211_02.9819.C36.o1.tc | Method | TBLASTX:Cress |
| Start | 8339 | End | 9049 |
| GI | none | Score | 138 |
| Exons | 8339..8407, 8340..8432, 8514..8654, 8518..8655, 8519..8659, 8519..8653, 8725..8850, 8740..8847, 8744..8869, 8745..8888, 8745..8882, 8960..9049, 8962..9048 | | |

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|---|---|---|---|
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14198 | Strand | + |
| Start | 1 | End | 2543 |
| Name | OJ990211_02.9819.C37.o1.np | Method | AAT/NAP |
| Start | 1 | End | 510 |
| GI | 6382535 | Score | 242 |
| Exons | 1..137, 217..323, 420..510 | | |
| GI Descrip. | (AC011020) putative protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14198 | Strand | + |
| Start | 1 | End | 2543 |
| Name | OJ990211_02.9819.C37.o1.gs | Method | GENSCAN |
| Start | 78 | End | 2543 |
| GI | none | Score | .68 |
| Exons | 78..137, 190..323, 533..589, 2513..2543 | | |

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|---|---|---|---|
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14198 | Strand | + |
| Start | 1 | End | 2543 |
| Name | OJ990211_02.9819.C37.o1.gp | Method | AAT/GAP |
| Start | 917 | End | 1241 |
| GI | 31827_1.R1084 | Score | 604 |
| Exons | 917..1241 | | |
| GI Descrip. | '4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14199 | Strand | + |
| Start | 3729 | End | 4179 |
| Name | OJ990211_02.9819.C37.o2.gp | Method | AAT/GAP |
| Start | 3729 | End | 4179 |
| GI | 4715481 | Score | 819 |
| Exons | 3729..4179 | | |

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|---|---|---|---|
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14200 | Strand | - |
| Start | 4044 | End | 4123 |
| Name | OJ990211_02.9819.C37.o1.tm | Method | TBLASTX:Maize |
| Start | 68 | End | 524 |
| GI | none | Score | 101 |

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|---|---|---|---|
| Exons | 68..136, 69..143, 73..144, 82..144, 214..324, 216..323, 233..325, 409..516, 416..520, 418..516, 426..524 | | |
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14200 | Strand | - |
| Start | 4044 | End | 4123 |
| Name | OJ990211_02.9819.C37.o1.ts | Method | TBLASTX:Soybean |
| Start | 96 | End | 630 |
| GI | none | Score | 72 |
| Exons | 96..143, 214..324, 216..323, 229..324, 417..476, 418..477, 586..630 | | |
| Seq. No. | 6759 | Seq. ID | OJ990211_02.9819.C37 |
| Gene No. | 14200 | Strand | - |
| Start | 4044 | End | 4123 |
| Name | OJ990211_02.9819.C37.o2.gs | Method | GENSCAN |
| Start | 4044 | End | 4123 |
| GI | none | Score | .65 |
| Exons | 4044..4123 | | |
| Seq. No. | 6760 | Seq. ID | OJ990211_02.9819.C38 |
| Gene No. | 14201 | Strand | - |
| Start | 44 | End | 593 |
| Name | OJ990211_02.9819.C38.o1.gs | Method | GENSCAN |
| Start | 44 | End | 593 |
| GI | none | Score | .73 |
| Exons | 44..347, 481..593 | | |
| Seq. No. | 6761 | Seq. ID | OJ990211_02.9819.C40 |
| Gene No. | 14202 | Strand | + |
| Start | 639 | End | 1275 |
| Name | OJ990211_02.9819.C40.o1.np | Method | AAT/NAP |
| Start | 639 | End | 1275 |
| GI | 5091512 | Score | 823 |
| Exons | 639..1275 | | |
| GI Descrip. | (AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa] | | |
| Seq. No. | 6761 | Seq. ID | OJ990211_02.9819.C40 |
| Gene No. | 14203 | Strand | - |
| Start | 104 | End | 1292 |
| Name | OJ990211_02.9819.C40.o1.gs | Method | GENSCAN |
| Start | 104 | End | 1292 |
| GI | none | Score | .8 |
| Exons | 104..565, 582..1292 | | |
| Seq. No. | 6762 | Seq. ID | OJ990211_02.9819.C41 |
| Gene No. | 14204 | Strand | + |
| Start | 592 | End | 843 |
| Name | OJ990211_02.9819.C41.o1.gp | Method | AAT/GAP |
| Start | 592 | End | 843 |
| GI | 3761181 | Score | 400 |
| Exons | 592..843 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |
| Seq. No. | 6762 | Seq. ID | OJ990211_02.9819.C41 |

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|---|---|---|---|
| Gene No. | 14205 | Strand | - |
| Start | 610 | End | 912 |
| Name | OJ990211_02.9819.C41.o1.gs | Method | GENSCAN |
| Start | 610 | End | 912 |
| GI | none | Score | .72 |
| Exons | 610..701, 813..912 | | |

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|---|---|---|---|
| Seq. No. | 6763 | Seq. ID | OJ990211_02.9819.C42 |
| Gene No. | 14206 | Strand | |
| Start | 198 | End | 494 |
| Name | OJ990211_02.9819.C42.o1.tm | Method | TBLASTX:Maize |
| Start | 198 | End | 494 |
| GI | none | Score | 70 |
| Exons | 198..494, 346..489 | | |

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|---|---|---|---|
| Seq. No. | 6763 | Seq. ID | OJ990211_02.9819.C42 |
| Gene No. | 14207 | Strand | |
| Start | 575 | End | 891 |
| Name | OJ990211_02.9819.C42.o1.tw | Method | TBLASTX:Wheat |
| Start | 575 | End | 891 |
| GI | none | Score | 82 |
| Exons | 575..622, 637..891, 638..817 | | |

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|---|---|---|---|
| Seq. No. | 6764 | Seq. ID | OJ990211_02.9819.C43 |
| Gene No. | 14208 | Strand | + |
| Start | 1 | End | 1105 |
| Name | OJ990211_02.9819.C43.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1105 |
| GI | 6006864 | Score | 73 |
| Exons | 1..70, 991..1105 | | |
| GI Descrip. | (AC009540) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6764 | Seq. ID | OJ990211_02.9819.C43 |
| Gene No. | 14209 | Strand | - |
| Start | 293 | End | 1047 |
| Name | OJ990211_02.9819.C43.o1.gs | Method | GENSCAN |
| Start | 293 | End | 1047 |
| GI | none | Score | .68 |
| Exons | 293..522, 974..1047 | | |

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|---|---|---|---|
| Seq. No. | 6765 | Seq. ID | OJ990211_02.9819.C45 |
| Gene No. | 14210 | Strand | - |
| Start | 1138 | End | 1247 |
| Name | OJ990211_02.9819.C45.o1.gs | Method | GENSCAN |
| Start | 1138 | End | 1247 |
| GI | none | Score | .61 |
| Exons | 1138..1247 | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.tm | Method | TBLASTX:Maize |
| Start | 538 | End | 2984 |
| GI | none | Score | 215 |
| Exons | 538..738, 540..782, 549..737, 807..857, 811..861, 1029..1163, 1032..1163, 1045..1164, 1046..1168, 1051..1164, 1272..1358, 1282..1353, 1283..1360, 1287..1367, 2240..2344, 2252..2341, | | |

2586..2774, 2606..2776, 2625..2774, 2626..2856, 2630..2803,
2885..2980, 2891..2980, 2892..2984, 2901..2984

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.gs | Method | GENSCAN |
| Start | 543 | End | 2974 |
| GI | none | Score | .84 |
| Exons | 543..719, 807..852, 1047..1162, 2648..2773, 2903..2974 | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.ts | Method | TBLASTX:Soybean |
| Start | 555 | End | 2980 |
| GI | none | Score | 118 |
| Exons | 555..737, 556..720, 807..857, 808..861, 1046..1168, 1047..1163, 1282..1359, 1283..1360, 2237..2344, 2240..2344, 2244..2348, 2583..2774, 2606..2776, 2625..2774, 2891..2980, 2896..2979 | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.np | Method | AAT/NAP |
| Start | 573 | End | 2995 |
| GI | 5360754 | Score | 936 |
| Exons | 573..719, 807..852, 1047..1162, 1285..1355, 2248..2343, 2626..2773, 2903..2995 | | |
| GI Descrip. | (AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum] | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.gp | Method | AAT/GAP |
| Start | 1114 | End | 3009 |
| GI | LIB3434-013-P1-K1-C10 | Score | 777 |
| Exons | 1114..1162, 1285..1355, 2248..2343, 2626..2773, 2903..3009 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.tc | Method | TBLASTX:Cress |
| Start | 1274 | End | 2980 |
| GI | none | Score | 61 |
| Exons | 1274..1351, 1285..1353, 2246..2344, 2606..2776, 2623..2643, 2625..2774, 2677..2781, 2891..2980, 2898..2975 | | |

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|---|---|---|---|
| Seq. No. | 6766 | Seq. ID | OJ990211_02.9819.C47 |
| Gene No. | 14211 | Strand | - |
| Start | 543 | End | 3009 |
| Name | OJ990211_02.9819.C47.o1.tw | Method | TBLASTX:Wheat |
| Start | 2714 | End | 2984 |
| GI | none | Score | 80 |
| Exons | 2714..2776, 2715..2774, 2891..2980, 2892..2984 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1961 |
| GI | 3021508 | Score | 767 |
| Exons | 1..53, 230..298, 374..531, 999..1185, 1255..1303, 1460..1545, 1794..1961 | | |
| GI Descrip. | (AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 502 |
| GI | none | Score | 94 |
| Exons | 1..54, 3..59, 4..57, 202..297, 224..298, 231..299, 255..299, 371..502, 374..502 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.ts | Method | TBLASTX:Soybean |
| Start | 3 | End | 1887 |
| GI | none | Score | 91 |
| Exons | 3..59, 4..63, 220..291, 224..298, 231..299, 371..520, 374..520, 393..527, 1003..1200, 1004..1198, 1459..1545, 1460..1558, 1479..1577, 1786..1881, 1794..1886, 1795..1887 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.tm | Method | TBLASTX:Maize |
| Start | 3 | End | 1999 |
| GI | none | Score | 94 |
| Exons | 3..59, 4..57, 220..297, 224..298, 231..299, 371..532, 372..530, 379..534, 991..1071, 991..1116, 999..1091, 1001..1150, 1096..1200, 1103..1201, 1451..1546, 1458..1562, 1459..1545, 1772..1906, 1792..1905, 1794..1910, 1794..1907, 1795..1926, 1916..1945, 1961..1999 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.tc | Method | TBLASTX:Cress |
| Start | 216 | End | 545 |
| GI | none | Score | 83 |
| Exons | 216..299, 227..322, 363..425, 368..544, 371..520, 483..545 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o1.gs | Method | GENSCAN |
| Start | 374 | End | 2012 |
| GI | none | Score | .88 |
| Exons | 374..531, 1080..1185, 1255..1303, 1460..1545, 1794..2012 | | |

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|---|---|---|---|
| Seq. No. | 6767 | Seq. ID | OJ990211_02.9819.C48 |
| Gene No. | 14212 | Strand | - |
| Start | 1 | End | 2012 |
| Name | OJ990211_02.9819.C48.o2.tw | Method | TBLASTX:Wheat |
| Start | 999 | End | 1504 |
| GI | none | Score | 119 |
| Exons | 999..1106, 1000..1101, 1001..1150, 1096..1200, 1103..1201, 1246..1308, 1256..1309, 1451..1504 | | |

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|---|---|---|---|
| Seq. No. | 6768 | Seq. ID | OJ990211_02.9819.C49 |
| Gene No. | 14213 | Strand | + |
| Start | 1867 | End | 2118 |
| Name | OJ990211_02.9819.C49.o1.gp | Method | AAT/GAP |
| Start | 1867 | End | 2118 |
| GI | 3761181 | Score | 422 |
| Exons | 1867..2118 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6768 | Seq. ID | OJ990211_02.9819.C49 |
| Gene No. | 14214 | Strand | + |
| Start | 2479 | End | 4272 |
| Name | OJ990211_02.9819.C49.o1.np | Method | AAT/NAP |
| Start | 2479 | End | 4272 |
| GI | 5091513 | Score | 970 |
| Exons | 2479..3305, 4048..4272 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6768 | Seq. ID | OJ990211_02.9819.C49 |
| Gene No. | 14214 | Strand | + |
| Start | 2479 | End | 4272 |
| Name | OJ990211_02.9819.C49.o1.gs | Method | GENSCAN |
| Start | 2487 | End | 3209 |
| GI | none | Score | .41 |
| Exons | 2487..2763, 2917..3209 | | |

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|---|---|---|---|
| Seq. No. | 6769 | Seq. ID | OJ990211_02.9819.C50 |
| Gene No. | 14215 | Strand | + |
| Start | 358 | End | 3271 |
| Name | OJ990211_02.9819.C50.o1.gs | Method | GENSCAN |
| Start | 358 | End | 3271 |
| GI | none | Score | .72 |
| Exons | 358..472, 1327..1506, 2024..2074, 2362..2519, 2533..2611, 3102..3271 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14216 | Strand | + |
| Start | 646 | End | 802 |
| Name | OJ990211_02.9819.C51.o1.gs | Method | GENSCAN |
| Start | 646 | End | 802 |
| GI | none | Score | .44 |
| Exons | 646..802 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |

| | | | |
|---|---|---|---|
| Name | OJ990211_02.9819.C51.o1.gp | Method | AAT/GAP |
| Start | 1442 | End | 2067 |
| GI | 36743_1.R1084 | Score | 1208 |
| Exons | 1442..2067 | | |
| GI Descrip. | '6018193/gb\|AAF01786.1\|AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]' | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o1.np | Method | AAT/NAP |
| Start | 1506 | End | 3940 |
| GI | 4505337 | Score | 873 |
| Exons | 1506..1749, 1854..2446, 3820..3940 | | |
| GI Descrip. | nucleotide binding protein 1 (E.coli MinD like) gi\|1709232\|sp\|P53384\|NBP_HUMAN NUCLEOTIDE-BINDING PROTEIN (NBP) gi\|1082661\|pir\|\|JC4010 nucleotide-binding protein - human gi\|515644 (U01833) putative nucleotide-binding protein [Homo sapiens] | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.gs | Method | GENSCAN |
| Start | 1548 | End | 7219 |
| GI | none | Score | .69 |
| Exons | 1548..2446, 3820..3921, 4051..4199, 4910..4939, 6288..6547, 6779..6993, 7162..7219 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o1.tw | Method | TBLASTX:Wheat |
| Start | 1551 | End | 1713 |
| GI | none | Score | 126 |
| Exons | 1551..1712, 1554..1712, 1579..1713 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o1.tm | Method | TBLASTX:Maize |
| Start | 1559 | End | 3978 |
| GI | none | Score | 939 |
| Exons | 1559..2425, 1560..2447, 1560..2447, 1576..2448, 2101..2448, 3821..3919, 3822..3920, 3832..3978 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.ts | Method | TBLASTX:Soybean |
| Start | 1644 | End | 1790 |
| GI | none | Score | 168 |
| Exons | 1644..1790, 1645..1785 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |

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|---|---|---|---|
| Name | OJ990211_02.9819.C51.o1.tc | Method | TBLASTX:Cress |
| Start | 1840 | End | 2157 |
| GI | none | Score | 98 |
| Exons | 1840..2046, 1842..2153, 1842..2156, 1843..2157 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o1.ts | Method | TBLASTX:Soybean |
| Start | 2085 | End | 3920 |
| GI | none | Score | 481 |
| Exons | 2085..2447, 2086..2448, 3821..3919, 3822..3920 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.gp | Method | AAT/GAP |
| Start | 2248 | End | 4188 |
| GI | 62555_1.R1084 | Score | 801 |
| Exons | 2248..2446, 3820..3921, 4051..4188 | | |
| GI Descrip. | '4056552/emb\|CAA22587\| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]' | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.tc | Method | TBLASTX:Cress |
| Start | 2259 | End | 3920 |
| GI | none | Score | 213 |
| Exons | 2259..2447, 2263..2448, 2263..2448, 3743..3787, 3821..3919, 3822..3920 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.tw | Method | TBLASTX:Wheat |
| Start | 2356 | End | 4081 |
| GI | none | Score | 147 |
| Exons | 2356..2448, 2356..2445, 2358..2447, 3795..3926, 3821..3928, 3829..3978, 4055..4081 | | |

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|---|---|---|---|
| Seq. No. | 6770 | Seq. ID | OJ990211_02.9819.C51 |
| Gene No. | 14217 | Strand | - |
| Start | 1548 | End | 7219 |
| Name | OJ990211_02.9819.C51.o2.np | Method | AAT/NAP |
| Start | 5442 | End | 6867 |
| GI | 5852084 | Score | 80 |
| Exons | 5442..5562, 6835..6867 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6771 | Seq. ID | OJ990211_02.9819.C52 |
| Gene No. | 14218 | Strand | - |
| Start | 1 | End | 1616 |
| Name | OJ990211_02.9819.C52.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1616 |
| GI | 6006359 | Score | 76 |
| Exons | 1..63, 389..489, 1461..1616 | | |

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6772 | Seq. ID | OJ990211_02.9819.C53 |
| Gene No. | 14219 | Strand | - |
| Start | 1727 | End | 1941 |
| Name | OJ990211_02.9819.C53.o1.gs | Method | GENSCAN |
| Start | 1727 | End | 1941 |
| GI | none | Score | .88 |
| Exons | 1727..1941 | | |

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|---|---|---|---|
| Seq. No. | 6773 | Seq. ID | OJ990211_02.9819.C54 |
| Gene No. | 14220 | Strand | - |
| Start | 485 | End | 993 |
| Name | OJ990211_02.9819.C54.o1.gp | Method | AAT/GAP |
| Start | 485 | End | 993 |
| GI | LIB3434-055-P1-K1-A2 | Score | 717 |
| Exons | 485..653, 772..993 | | |
| GI Descrip. | '4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o1.gs | Method | GENSCAN |
| Start | 40 | End | 2728 |
| GI | none | Score | .86 |
| Exons | 40..195, 779..894, 981..1080, 1111..1242, 1387..1447, 1553..1650, 2027..2169, 2312..2395, 2683..2728 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o1.np | Method | AAT/NAP |
| Start | 67 | End | 2725 |
| GI | 1184776 | Score | 1118 |
| Exons | 67..195, 779..894, 981..1080, 1153..1299, 1387..1447, 1553..1650, 2027..2169, 2312..2395, 2507..2596, 2683..2725 | | |
| GI Descrip. | (U45857) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC4 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o1.gp | Method | AAT/GAP |
| Start | 483 | End | 1651 |
| GI | 407_1.R1084 | Score | 731 |
| Exons | 483..513, 779..894, 981..1080, 1153..1247, 1339..1447, 1553..1651 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o3.gp | Method | AAT/GAP |
| Start | 641 | End | 2127 |
| GI | 407_1.R1084 | Score | 885 |

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|---|---|---|---|
| Exons | 641..669, 780..894, 981..1080, 1153..1247, 1339..1447, 1553..1650, 2027..2127 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o2.gp | Method | AAT/GAP |
| Start | 778 | End | 2055 |
| GI | 407_1.R1084 | Score | 788 |
| Exons | 778..894, 981..1080, 1153..1247, 1339..1447, 1553..1650, 2027..2055 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14221 | Strand | + |
| Start | 40 | End | 2964 |
| Name | OJ990211_02.9819.C55.o4.gp | Method | AAT/GAP |
| Start | 1540 | End | 2964 |
| GI | 407_2.R1084 | Score | 1076 |
| Exons | 1540..1650, 2027..2169, 2312..2395, 2605..2964 | | |
| GI Descrip. | '120668/sp\|P08477\|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14222 | Strand | + |
| Start | 3929 | End | 4361 |
| Name | OJ990211_02.9819.C55.o5.gp | Method | AAT/GAP |
| Start | 3929 | End | 4361 |
| GI | uC-osroM202037b06a1 | Score | 825 |
| Exons | 3929..4361 | | |
| GI Descrip. | '5915836/sp\|P93531\|C7D7_SOLCH 2.0e-39 CYTOCHROME P450 71D7 >gi_1762144 (U48435) putative cytochrome P450 [Solanum chacoense]' | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.ts | Method | TBLASTX:Soybean |
| Start | 85 | End | 1245 |
| GI | none | Score | 142 |
| Exons | 85..195, 100..210, 782..895, 793..894, 967..1080, 978..1079, 981..1082, 1143..1235, 1144..1245, 1144..1218, 1148..1234, 1152..1244 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o1.tc | Method | TBLASTX:Cress |
| Start | 94 | End | 2396 |

| | | | |
|---|---|---|---|
| GI | none | Score | 156 |
| Exons | 94..195, 97..195, 778..894, 779..895, 779..895, 946..1080, 978..1079, 980..1081, 981..1082, 1138..1218, 1139..1240, 1143..1241, 1144..1302, 1152..1301, 1378..1446, 1386..1445, 1548..1649, 1549..1650, 1595..1651, 2016..2102, 2025..2168, 2026..2169, 2027..2170, 2307..2396 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o1.tw | Method | TBLASTX:Wheat |
| Start | 94 | End | 1241 |
| GI | none | Score | 159 |
| Exons | 94..195, 97..195, 779..895, 784..894, 946..1080, 957..1073, 967..1089, 980..1090, 1143..1241, 1144..1239 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o1.tm | Method | TBLASTX:Maize |
| Start | 94 | End | 2912 |
| GI | none | Score | 158 |
| Exons | 94..195, 94..195, 779..895, 783..902, 784..894, 946..1080, 957..1079, 967..1089, 981..1082, 1142..1240, 1143..1241, 1144..1302, 1152..1313, 1378..1446, 1385..1465, 1548..1649, 1549..1650, 1598..1651, 2025..2168, 2025..2162, 2026..2169, 2027..2170, 2307..2396, 2339..2398, 2341..2397, 2677..2727, 2679..2726, 2681..2728, 2796..2819, 2834..2893, 2898..2912 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o3.ts | Method | TBLASTX:Soybean |
| Start | 1378 | End | 2396 |
| GI | none | Score | 82 |
| Exons | 1378..1446, 1385..1465, 1548..1649, 1549..1650, 1595..1651, 2026..2112, 2026..2154, 2027..2158, 2307..2396 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o3.tw | Method | TBLASTX:Wheat |
| Start | 1401 | End | 2170 |
| GI | none | Score | 67 |
| Exons | 1401..1442, 1401..1445, 1402..1446, 1403..1465, 1548..1646, 1549..1650, 1595..1651, 2016..2168, 2016..2162, 2023..2169, 2024..2170, 2026..2169, 2027..2170 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.tm | Method | TBLASTX:Maize |
| Start | 3857 | End | 4349 |
| GI | none | Score | 211 |
| Exons | 3857..4348, 3942..4349 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |

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|---|---|---|---|
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.tw | Method | TBLASTX:Wheat |
| Start | 3869 | End | 4163 |
| GI | none | Score | 171 |
| Exons | 3869..4153, 3881..4153, 3883..4155, 3885..4163, 3885..4154 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.gs | Method | GENSCAN |
| Start | 3869 | End | 4397 |
| GI | none | Score | .82 |
| Exons | 3869..4397 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.np | Method | AAT/NAP |
| Start | 3878 | End | 4455 |
| GI | 5915836 | Score | 472 |
| Exons | 3878..4455 | | |
| GI Descrip. | CYTOCHROME P450 71D7 gi\|1762144 (U48435) putative cytochrome P450 [Solanum chacoense] | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o2.tc | Method | TBLASTX:Cress |
| Start | 3884 | End | 4349 |
| GI | none | Score | 149 |
| Exons | 3884..4345, 3909..4241, 4257..4349 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o1.ts | Method | TBLASTX:Soybean |
| Start | 3887 | End | 4354 |
| GI | none | Score | 155 |
| Exons | 3887..4261, 3887..4258, 3888..4265, 4284..4349, 4298..4354 | | |

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|---|---|---|---|
| Seq. No. | 6774 | Seq. ID | OJ990211_02.9819.C55 |
| Gene No. | 14223 | Strand | - |
| Start | 3869 | End | 4455 |
| Name | OJ990211_02.9819.C55.o4.tw | Method | TBLASTX:Wheat |
| Start | 4181 | End | 4379 |
| GI | none | Score | 177 |
| Exons | 4181..4357, 4182..4379 | | |

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|---|---|---|---|
| Seq. No. | 6775 | Seq. ID | OJ990211_02.9819.C56 |
| Gene No. | 14224 | Strand | - |
| Start | 1 | End | 583 |
| Name | OJ990211_02.9819.C56.o1.np | Method | AAT/NAP |
| Start | 1 | End | 538 |
| GI | 5915814 | Score | 147 |
| Exons | 1..538 | | |
| GI Descrip. | CYTOCHROME P450 71A6 gi\|1684716\|emb\|CAA70576\| (Y09424) | | |

cytochrome P450 [Nepeta racemosa]

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|---|---|---|---|
| Seq. No. | 6775 | Seq. ID | OJ990211_02.9819.C56 |
| Gene No. | 14224 | Strand | - |
| Start | 1 | End | 583 |
| Name | OJ990211_02.9819.C56.o1.gs | Method | GENSCAN |
| Start | 153 | End | 583 |
| GI | none | Score | .55 |
| Exons | 153..583 | | |

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|---|---|---|---|
| Seq. No. | 6776 | Seq. ID | OJ990211_02.9819.C58 |
| Gene No. | 14225 | Strand | + |
| Start | 1506 | End | 1946 |
| Name | OJ990211_02.9819.C58.o1.gp | Method | AAT/GAP |
| Start | 1506 | End | 1946 |
| GI | LIB3477-003-P1-K1-E9 | Score | 102 |
| Exons | 1506..1588, 1926..1946 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6776 | Seq. ID | OJ990211_02.9819.C58 |
| Gene No. | 14226 | Strand | - |
| Start | 686 | End | 1100 |
| Name | OJ990211_02.9819.C58.o1.gs | Method | GENSCAN |
| Start | 686 | End | 1100 |
| GI | none | Score | .82 |
| Exons | 686..838, 925..1100 | | |

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|---|---|---|---|
| Seq. No. | 6777 | Seq. ID | OJ990211_02.9819.C59 |
| Gene No. | 14227 | Strand | + |
| Start | 856 | End | 1946 |
| Name | OJ990211_02.9819.C59.o1.gs | Method | GENSCAN |
| Start | 856 | End | 1946 |
| GI | none | Score | .47 |
| Exons | 856..999, 1123..1301, 1825..1946 | | |

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|---|---|---|---|
| Seq. No. | 6778 | Seq. ID | OJ990211_02.9819.C60 |
| Gene No. | 14228 | Strand | - |
| Start | 444 | End | 1070 |
| Name | OJ990211_02.9819.C60.o1.gs | Method | GENSCAN |
| Start | 444 | End | 1070 |
| GI | none | Score | .51 |
| Exons | 444..535, 1007..1070 | | |

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|---|---|---|---|
| Seq. No. | 6779 | Seq. ID | OJ990211_02.9819.C61 |
| Gene No. | 14229 | Strand | + |
| Start | 2874 | End | 4474 |
| Name | OJ990211_02.9819.C61.o1.gs | Method | GENSCAN |
| Start | 2874 | End | 4474 |
| GI | none | Score | .95 |
| Exons | 2874..3206, 3208..3291, 3338..3476, 4266..4474 | | |

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|---|---|---|---|
| Seq. No. | 6780 | Seq. ID | OJ990211_02.9819.C62 |
| Gene No. | 14230 | Strand | - |
| Start | 117 | End | 433 |
| Name | OJ990211_02.9819.C62.o1.gs | Method | GENSCAN |

| | | | |
|---|---|---|---|
| Start | 117 | End | 433 |
| GI | none | Score | .83 |
| Exons | 117..261, 369..433 | | |

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|---|---|---|---|
| Seq. No. | 6781 | Seq. ID | OJ990211_02.9819.C65 |
| Gene No. | 14231 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990211_02.9819.C65.o1.np | Method | AAT/NAP |
| Start | 1 | End | 971 |
| GI | 5915840 | Score | 342 |
| Exons | 1..971 | | |
| GI Descrip. | CYTOCHROME P450 71D11 gi\|2367431 (AF000403) putative cytochrome P450 [Lotus japonicus] | | |

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|---|---|---|---|
| Seq. No. | 6781 | Seq. ID | OJ990211_02.9819.C65 |
| Gene No. | 14231 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990211_02.9819.C65.o1.gs | Method | GENSCAN |
| Start | 81 | End | 1013 |
| GI | none | Score | .82 |
| Exons | 81..1013 | | |

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|---|---|---|---|
| Seq. No. | 6781 | Seq. ID | OJ990211_02.9819.C65 |
| Gene No. | 14231 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990211_02.9819.C65.o1.tm | Method | TBLASTX:Maize |
| Start | 586 | End | 965 |
| GI | none | Score | 88 |
| Exons | 586..726, 588..803, 819..875, 867..965, 867..914 | | |

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|---|---|---|---|
| Seq. No. | 6781 | Seq. ID | OJ990211_02.9819.C65 |
| Gene No. | 14231 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990211_02.9819.C65.o1.ts | Method | TBLASTX:Soybean |
| Start | 603 | End | 914 |
| GI | none | Score | 114 |
| Exons | 603..647, 696..803, 819..914 | | |

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|---|---|---|---|
| Seq. No. | 6782 | Seq. ID | OJ990211_02.9819.C67 |
| Gene No. | 14232 | Strand | + |
| Start | 1 | End | 724 |
| Name | OJ990211_02.9819.C67.o1.np | Method | AAT/NAP |
| Start | 1 | End | 724 |
| GI | 6721172 | Score | 118 |
| Exons | 1..28, 427..724 | | |
| GI Descrip. | (AC016829) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6782 | Seq. ID | OJ990211_02.9819.C67 |
| Gene No. | 14232 | Strand | + |
| Start | 1 | End | 724 |
| Name | OJ990211_02.9819.C67.o1.gp | Method | AAT/GAP |
| Start | 84 | End | 473 |
| GI | 3107601 | Score | 651 |
| Exons | 84..473 | | |

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|---|---|---|---|
| Seq. No. | 6782 | Seq. ID | OJ990211_02.9819.C67 |
| Gene No. | 14232 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 724 |
| Name | OJ990211_02.9819.C67.o1.gs | Method | GENSCAN |
| Start | 193 | End | 651 |
| GI | none | Score | .79 |
| Exons | 193..289, 303..651 | | |

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|---|---|---|---|
| Seq. No. | 6783 | Seq. ID | OJ990211_02.9819.C68 |
| Gene No. | 14233 | Strand | + |
| Start | 242 | End | 680 |
| Name | OJ990211_02.9819.C68.o1.gs | Method | GENSCAN |
| Start | 242 | End | 680 |
| GI | none | Score | .82 |
| Exons | 242..324, 545..680 | | |

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|---|---|---|---|
| Seq. No. | 6784 | Seq. ID | OJ990211_02.9819.C70 |
| Gene No. | 14234 | Strand | + |
| Start | 247 | End | 636 |
| Name | OJ990211_02.9819.C70.o1.gp | Method | AAT/GAP |
| Start | 247 | End | 636 |
| GI | 15763_1.R1084 | Score | 724 |
| Exons | 247..636 | | |
| GI Descrip. | '6016737/gb\|AAF01563.1\|AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6784 | Seq. ID | OJ990211_02.9819.C70 |
| Gene No. | 14234 | Strand | + |
| Start | 247 | End | 636 |
| Name | OJ990211_02.9819.C70.o1.gs | Method | GENSCAN |
| Start | 373 | End | 484 |
| GI | none | Score | .61 |
| Exons | 373..484 | | |

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|---|---|---|---|
| Seq. No. | 6785 | Seq. ID | OJ990211_02.9819.C71 |
| Gene No. | 14235 | Strand | - |
| Start | 768 | End | 1079 |
| Name | OJ990211_02.9819.C71.o1.gs | Method | GENSCAN |
| Start | 768 | End | 1079 |
| GI | none | Score | .61 |
| Exons | 768..1079 | | |

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|---|---|---|---|
| Seq. No. | 6786 | Seq. ID | OJ990211_02.9819.C72 |
| Gene No. | 14236 | Strand | - |
| Start | 1 | End | 723 |
| Name | OJ990211_02.9819.C72.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 672 |
| GI | 407_2.R1084 | Score | 353 |
| Exons | 1..23, 302..386, 529..672 | | |
| GI Descrip. | '120668/sp\|P08477\|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]' | | |

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|---|---|---|---|
| Seq. No. | 6786 | Seq. ID | OJ990211_02.9819.C72 |
| Gene No. | 14236 | Strand | - |
| Start | 1 | End | 723 |
| Name | OJ990211_02.9819.C72.o1.np | Method | AAT/NAP |
| Start | 170 | End | 723 |
| GI | 120668 | Score | 234 |
| Exons | 170..386, 529..723 | | |
| GI Descrip. | GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC gi\|82399\|pir\|\|A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) gi\|167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] gi\|225347\|prf\|\|1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum] | | |

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|---|---|---|---|
| Seq. No. | 6786 | Seq. ID | OJ990211_02.9819.C72 |
| Gene No. | 14236 | Strand | - |
| Start | 1 | End | 723 |
| Name | OJ990211_02.9819.C72.o1.gs | Method | GENSCAN |
| Start | 313 | End | 670 |
| GI | none | Score | .94 |
| Exons | 313..386, 529..670 | | |

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|---|---|---|---|
| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.tm | Method | TBLASTX:Maize |
| Start | 73 | End | 414 |
| GI | none | Score | 178 |
| Exons | 73..414, 92..409, 157..414 | | |

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|---|---|---|---|
| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.np | Method | AAT/NAP |
| Start | 85 | End | 419 |
| GI | 5915837 | Score | 326 |
| Exons | 85..419 | | |
| GI Descrip. | CYTOCHROME P450 71D8 (P450 CP7) gi\|3334667\|emb\|CAA71517\| (Y10493) putative cytochrome P450 [Glycine max] | | |

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| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.tw | Method | TBLASTX:Wheat |
| Start | 91 | End | 373 |
| GI | none | Score | 198 |
| Exons | 91..363, 91..363, 95..373 | | |

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|---|---|---|---|
| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.ts | Method | TBLASTX:Soybean |
| Start | 97 | End | 418 |
| GI | none | Score | 221 |
| Exons | 97..414, 98..418 | | |

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| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |

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|---|---|---|---|
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.tc | Method | TBLASTX:Cress |
| Start | 109 | End | 409 |
| GI | none | Score | 175 |
| Exons | 109..408, 125..409 | | |

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|---|---|---|---|
| Seq. No. | 6787 | Seq. ID | OJ990211_02.9819.C74 |
| Gene No. | 14237 | Strand | - |
| Start | 85 | End | 419 |
| Name | OJ990211_02.9819.C74.o1.gs | Method | GENSCAN |
| Start | 132 | End | 258 |
| GI | none | Score | .56 |
| Exons | 132..258 | | |

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|---|---|---|---|
| Seq. No. | 6788 | Seq. ID | OJ990211_02.9819.C75 |
| Gene No. | 14238 | Strand | + |
| Start | 344 | End | 640 |
| Name | OJ990211_02.9819.C75.o1.gs | Method | GENSCAN |
| Start | 344 | End | 640 |
| GI | none | Score | .91 |
| Exons | 344..416, 513..640 | | |

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|---|---|---|---|
| Seq. No. | 6789 | Seq. ID | OJ990211_02.9819.C76 |
| Gene No. | 14239 | Strand | - |
| Start | 134 | End | 447 |
| Name | OJ990211_02.9819.C76.o1.gs | Method | GENSCAN |
| Start | 134 | End | 447 |
| GI | none | Score | .99 |
| Exons | 134..447 | | |

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|---|---|---|---|
| Seq. No. | 6790 | Seq. ID | OJ990211_02.9819.C77 |
| Gene No. | 14240 | Strand | - |
| Start | 915 | End | 1418 |
| Name | OJ990211_02.9819.C77.o1.gp | Method | AAT/GAP |
| Start | 745 | End | 1191 |
| GI | 3761484 | Score | 793 |
| Exons | 745..1191 | | |

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|---|---|---|---|
| Seq. No. | 6790 | Seq. ID | OJ990211_02.9819.C77 |
| Gene No. | 14240 | Strand | - |
| Start | 915 | End | 1418 |
| Name | OJ990211_02.9819.C77.o1.gs | Method | GENSCAN |
| Start | 915 | End | 1418 |
| GI | none | Score | .74 |
| Exons | 915..1418 | | |

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|---|---|---|---|
| Seq. No. | 6791 | Seq. ID | OJ990211_02.9819.C78 |
| Gene No. | 14241 | Strand | + |
| Start | 428 | End | 614 |
| Name | OJ990211_02.9819.C78.o1.gs | Method | GENSCAN |
| Start | 428 | End | 614 |
| GI | none | Score | .43 |
| Exons | 428..614 | | |

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|---|---|---|---|
| Seq. No. | 6791 | Seq. ID | OJ990211_02.9819.C78 |
| Gene No. | 14242 | Strand | - |

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|---|---|---|---|
| Start | 330 | End | 383 |
| Name | OJ990211_02.9819.C78.o1.gp | Method | AAT/GAP |
| Start | 330 | End | 383 |
| GI | 3761181 | Score | 78 |
| Exons | 330..383 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1261 |
| GI | 5915836 | Score | 614 |
| Exons | 1..120, 206..523, 653..1261 | | |
| GI Descrip. | CYTOCHROME P450 71D7 gi\|1762144 (U48435) putative cytochrome P450 [Solanum chacoense] | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o2.tw | Method | TBLASTX:Wheat |
| Start | 431 | End | 958 |
| GI | none | Score | 74 |
| Exons | 431..517, 434..523, 595..957, 602..958, 653..958 | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o1.ts | Method | TBLASTX:Soybean |
| Start | 619 | End | 1312 |
| GI | none | Score | 162 |
| Exons | 619..1260, 650..841, 816..905, 887..1312 | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o1.tm | Method | TBLASTX:Maize |
| Start | 631 | End | 1225 |
| GI | none | Score | 448 |
| Exons | 631..756, 632..1225, 784..1215 | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o1.tc | Method | TBLASTX:Cress |
| Start | 653 | End | 1252 |
| GI | none | Score | 153 |
| Exons | 653..841, 664..756, 787..1245, 881..1252 | | |

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|---|---|---|---|
| Seq. No. | 6792 | Seq. ID | OJ990211_02.9819.C80 |
| Gene No. | 14243 | Strand | + |
| Start | 1 | End | 1312 |
| Name | OJ990211_02.9819.C80.o1.tw | Method | TBLASTX:Wheat |
| Start | 976 | End | 1258 |
| GI | none | Score | 374 |
| Exons | 976..1254, 986..1258, 986..1258 | | |

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|---|---|---|---|
| Seq. No. | 6793 | Seq. ID | OJ990211_02.9819.C82 |
| Gene No. | 14244 | Strand | |
| Start | 440 | End | 840 |
| Name | OJ990211_02.9819.C82.o1.ts | Method | TBLASTX:Soybean |
| Start | 440 | End | 840 |
| GI | none | Score | 66 |
| Exons | 440..529, 529..591, 659..751, | 660..743, 748..792, 799..840 | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14245 | Strand | + |
| Start | 1 | End | 1062 |
| Name | OJ990211_03.9819.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1062 |
| GI | 5713172 | Score | 475 |
| Exons | 1..129, 494..1062 | | |
| GI Descrip. | (AF166332) cytochrome P450 [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14245 | Strand | + |
| Start | 1 | End | 1062 |
| Name | OJ990211_03.9819.C1.o1.gs | Method | GENSCAN |
| Start | 91 | End | 1061 |
| GI | none | Score | .83 |
| Exons | 91..129, 191..251, 565..1061 | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14245 | Strand | + |
| Start | 1 | End | 1062 |
| Name | OJ990211_03.9819.C1.o1.gp | Method | AAT/GAP |
| Start | 499 | End | 1001 |
| GI | uC-osroM202037b06a1 | Score | 926 |
| Exons | 499..1001 | | |
| GI Descrip. | '5915836/sp\|P93531\|C7D7_SOLCH 2.0e-39 CYTOCHROME P450 71D7 >gi_1762144 (U48435) putative cytochrome P450 [Solanum chacoense]' | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14246 | Strand | - |
| Start | 1609 | End | 1971 |
| Name | OJ990211_03.9819.C1.o2.gs | Method | GENSCAN |
| Start | 1609 | End | 1971 |
| GI | none | Score | .78 |
| Exons | 1609..1699, 1741..1971 | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |
| Name | OJ990211_03.9819.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 67 | End | 1043 |
| GI | none | Score | 66 |
| Exons | 67..126, 488..553, 489..542, 669..1043, 672..1043 | 545..646, 549..632, 665..1042, | |

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| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |

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|---|---|---|---|
| Name | OJ990211_03.9819.C1.o2.tw | Method | TBLASTX:Wheat |
| Start | 67 | End | 749 |
| GI | none | Score | 60 |
| Exons | 67..123, 70..114, 75..125, 487..546, 494..553, 549..749, 563..748 | | |

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| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |
| Name | OJ990211_03.9819.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 488 | End | 1046 |
| GI | none | Score | 48 |
| Exons | 488..547, 567..1046, 581..673, 689..1021 | | |

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| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |
| Name | OJ990211_03.9819.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 567 | End | 1073 |
| GI | none | Score | 388 |
| Exons | 567..1073, 575..988 | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |
| Name | OJ990211_03.9819.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 767 | End | 1061 |
| GI | none | Score | 138 |
| Exons | 767..1045, 775..1047, 776..1045, 777..1049, 777..1061 | | |

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|---|---|---|---|
| Seq. No. | 6794 | Seq. ID | OJ990211_03.9819.C1 |
| Gene No. | 14247 | Strand | - |
| Start | 1922 | End | 2204 |
| Name | OJ990211_03.9819.C1.o2.gp | Method | AAT/GAP |
| Start | 1922 | End | 2204 |
| GI | 407_3.R1084 | Score | 490 |
| Exons | 1922..2204 | | |
| GI Descrip. | '120668/sp\|P08477\|G3PC_HORVU 2.0e-31 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]' | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2474 |
| GI | 6166167 | Score | 1060 |
| Exons | 1..132, 275..417, 794..891, 997..1057, 1145..1291, 1364..1463, 1550..1665, 2249..2349, 2447..2474 | | |
| GI Descrip. | GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC 3 gi\|1184774 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays] | | |

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| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.gp | Method | AAT/GAP |
| Start | 48 | End | 904 |
| GI | 407_2.R1084 | Score | 570 |
| Exons | 48..132, 275..417, 794..904 | | |
| GI Descrip. | '120668/sp\|P08477\|G3PC_HORVU 1.0e-75 GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, CYTOSOLIC >gi_82399_pir__A24159 glyceraldehyde-3-phosphate dehydrogenase (EC 1.2.1.12), cytosolic - barley (fragment) >gi_167044 (M36650) glyceraldehyde-3-phosphate dehydrogenase [Hordeum vulgare] >gi_225347_prf__1301218A dehydrogenase,glyceraldehydephosphate [Hordeum vulgare var. distichum]' | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 48 | End | 2350 |
| GI | none | Score | 169 |
| Exons | 48..137, 274..417, 275..418, 308..418, 342..428, 793..849, 793..855, 794..895, 795..896, 998..1066, 999..1058, 1142..1300, 1143..1292, 1204..1305, 1226..1306, 1362..1463, 1363..1464, 1364..1498, 1365..1466, 1549..1665, 1550..1666, 1583..1666, 2249..2347, 2249..2350 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 48 | End | 418 |
| GI | none | Score | 59 |
| Exons | 48..137, 51..122, 274..417, 275..418, 332..418 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.gs | Method | GENSCAN |
| Start | 48 | End | 2404 |
| GI | none | Score | .85 |
| Exons | 48..132, 275..417, 794..891, 997..1057, 1202..1333, 1364..1463, 1550..1665, 2249..2404 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 48 | End | 2484 |
| GI | none | Score | 92 |
| Exons | 48..137, 50..94, 274..417, 275..418, 275..418, 276..419, 282..419, 793..855, 794..895, 795..896, 979..1059, 998..1066, 1131..1292, 1142..1300, 1204..1302, 1355..1477, 1362..1463, 1364..1498, 1365..1487, 1542..1661, 1549..1665, 1550..1660, 1550..1666, 2249..2350, 2249..2350, 2443..2484, 2445..2468 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |

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|---|---|---|---|
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 274 | End | 1043 |
| GI | none | Score | 194 |
| Exons | 274..417, 275..421, 275..418, 282..428, 792..887, 793..849, 794..895, 798..896, 979..1041, 998..1042, 999..1043, 1002..1043 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o2.gp | Method | AAT/GAP |
| Start | 317 | End | 1803 |
| GI | 407_1.R1084 | Score | 889 |
| Exons | 317..417, 794..891, 997..1105, 1197..1291, 1364..1463, 1550..1664, 1775..1803 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o3.gp | Method | AAT/GAP |
| Start | 389 | End | 1666 |
| GI | 407_1.R1084 | Score | 788 |
| Exons | 389..417, 794..891, 997..1105, 1197..1291, 1364..1463, 1550..1666 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 793 | End | 1066 |
| GI | none | Score | 135 |
| Exons | 793..855, 794..895, 795..896, 979..1059, 998..1066 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o4.gp | Method | AAT/GAP |
| Start | 793 | End | 1961 |
| GI | 407_1.R1084 | Score | 731 |
| Exons | 793..891, 997..1105, 1197..1291, 1364..1463, 1550..1665, 1931..1961 | | |
| GI Descrip. | '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o5.gp | Method | AAT/GAP |
| Start | 1058 | End | 2544 |
| GI | 407_1.R1084 | Score | 756 |
| Exons | 1058..1076, 1198..1291, 1364..1463, 1550..1665, 2249..2349, 2447..2544 | | |

GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 1199 | End | 2472 |
| GI | none | Score | 124 |
| Exons | 1199..1300, 1200..1292, 1210..1296, 1226..1300, 1362..1463, 1364..1477, 1365..1466, 1549..1662, 1550..1651, 2234..2344, 2249..2359, 2443..2472, 2445..2471 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 1203 | End | 2465 |
| GI | none | Score | 141 |
| Exons | 1203..1301, 1205..1300, 1354..1464, 1355..1477, 1364..1498, 1371..1487, 1549..1665, 1550..1660, 1550..1666, 2249..2347, 2249..2350, 2445..2465 | | |

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|---|---|---|---|
| Seq. No. | 6795 | Seq. ID | OJ990211_03.9819.C2 |
| Gene No. | 14248 | Strand | - |
| Start | 1 | End | 2705 |
| Name | OJ990211_03.9819.C2.o6.gp | Method | AAT/GAP |
| Start | 1364 | End | 2705 |
| GI | 407_1.R1084 | Score | 749 |
| Exons | 1364..1463, 1550..1665, 2249..2349, 2447..2470, 2591..2705 | | |

GI Descrip. '1184774 1.0e-171 (U45856) cytosolic glyceroldehyde-3-phosphate dehydrogenase GAPC3 [Zea mays]'

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|---|---|---|---|
| Seq. No. | 6796 | Seq. ID | OJ990211_03.9819.C3 |
| Gene No. | 14249 | Strand | + |
| Start | 914 | End | 1683 |
| Name | OJ990211_03.9819.C3.o1.gp | Method | AAT/GAP |
| Start | 914 | End | 1422 |
| GI | LIB3434-055-P1-K1-A2 | Score | 709 |
| Exons | 914..1135, 1254..1422 | | |

GI Descrip. '4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'

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|---|---|---|---|
| Seq. No. | 6796 | Seq. ID | OJ990211_03.9819.C3 |
| Gene No. | 14249 | Strand | + |
| Start | 914 | End | 1683 |
| Name | OJ990211_03.9819.C3.o1.gs | Method | GENSCAN |
| Start | 1302 | End | 1683 |
| GI | none | Score | .74 |
| Exons | 1302..1683 | | |

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|---|---|---|---|
| Seq. No. | 6797 | Seq. ID | OJ990211_03.9819.C4 |
| Gene No. | 14250 | Strand | - |
| Start | 77 | End | 145 |
| Name | OJ990211_03.9819.C4.o1.gs | Method | GENSCAN |
| Start | 77 | End | 145 |
| GI | none | Score | .75 |

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|---|---|---|---|
| Exons | 77..145 | | |
| Seq. No. | 6798 | Seq. ID | OJ990211_03.9819.C5 |
| Gene No. | 14251 | Strand | + |
| Start | 1 | End | 4986 |
| Name | OJ990211_03.9819.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3013 |
| GI | 6006359 | Score | 72 |
| Exons | 1..196, 1168..1268, 2961..3013 | | |
| GI Descrip. | (AP000559) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 6798 | Seq. ID | OJ990211_03.9819.C5 |
| Gene No. | 14251 | Strand | + |
| Start | 1 | End | 4986 |
| Name | OJ990211_03.9819.C5.o1.gs | Method | GENSCAN |
| Start | 1823 | End | 4970 |
| GI | none | Score | .64 |
| Exons | 1823..1880, 2049..2263, 2495..2754, 4103..4132, 4844..4970 | | |
| Seq. No. | 6798 | Seq. ID | OJ990211_03.9819.C5 |
| Gene No. | 14251 | Strand | + |
| Start | 1 | End | 4986 |
| Name | OJ990211_03.9819.C5.o2.np | Method | AAT/NAP |
| Start | 2175 | End | 3600 |
| GI | 5852084 | Score | 80 |
| Exons | 2175..2207, 3480..3600 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |
| Seq. No. | 6798 | Seq. ID | OJ990211_03.9819.C5 |
| Gene No. | 14251 | Strand | + |
| Start | 1 | End | 4986 |
| Name | OJ990211_03.9819.C5.o1.gp | Method | AAT/GAP |
| Start | 4855 | End | 4986 |
| GI | 62555_1.R1084 | Score | 243 |
| Exons | 4855..4986 | | |
| GI Descrip. | '4056552/emb\|CAA22587\| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]' | | |
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.gs | Method | GENSCAN |
| Start | 784 | End | 2227 |
| GI | none | Score | .61 |
| Exons | 784..850, 1329..1520, 1560..1750, 1811..2227 | | |
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o2.tc | Method | TBLASTX:Cress |
| Start | 1326 | End | 1516 |
| GI | none | Score | 281 |
| Exons | 1326..1511, 1327..1512, 1328..1516 | | |
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |

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|---|---|---|---|
| Name | OJ990211_03.9819.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 1327 | End | 2216 |
| GI | none | Score | 1430 |
| Exons | 1327..2199, 1328..2215, 1332..2210, 1350..2216 | | |

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|---|---|---|---|
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 1327 | End | 1690 |
| GI | none | Score | 550 |
| Exons | 1327..1689, 1328..1690 | | |

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| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.gp | Method | AAT/GAP |
| Start | 1329 | End | 1527 |
| GI | 62555_1.R1084 | Score | 371 |
| Exons | 1329..1527 | | |
| GI Descrip. | '4056552/emb\|CAA22587\| 6.0e-33 (AL034583) putative nucleotide binding protein [Schizosaccharomyces pombe]' | | |

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|---|---|---|---|
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.np | Method | AAT/NAP |
| Start | 1346 | End | 3066 |
| GI | 6754906 | Score | 789 |
| Exons | 1346..1921, 2026..2214, 3021..3066 | | |
| GI Descrip. | nucleotide binding protein 1 gi\|6018193\|gb\|AAF01786.1\|AF114170_1 (AF114170) nucleotide-binding protein long form [Mus musculus] | | |

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|---|---|---|---|
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 1618 | End | 1935 |
| GI | none | Score | 329 |
| Exons | 1618..1932, 1619..1933, 1729..1935 | | |

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| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o2.gp | Method | AAT/GAP |
| Start | 1708 | End | 2333 |
| GI | 36743_1.R1084 | Score | 1204 |
| Exons | 1708..2333 | | |
| GI Descrip. | '6018193/gb\|AAF01786.1\|AF114170_1 5.0e-30 (AF114170) nucleotide-binding protein long form [Mus musculus]' | | |

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| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 1985 | End | 2131 |
| GI | none | Score | 206 |

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|---|---|---|---|
| Exons | 1985..2131, 1990..2130 | | |
| Seq. No. | 6799 | Seq. ID | OJ990211_03.9819.C6 |
| Gene No. | 14252 | Strand | + |
| Start | 784 | End | 3066 |
| Name | OJ990211_03.9819.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 2062 | End | 2221 |
| GI | none | Score | 246 |
| Exons | 2062..2196, 2063..2221 | | |
| Seq. No. | 6800 | Seq. ID | OJ990211_03.9819.C8 |
| Gene No. | 14253 | Strand | - |
| Start | 542 | End | 688 |
| Name | OJ990211_03.9819.C8.o1.gs | Method | GENSCAN |
| Start | 542 | End | 688 |
| GI | none | Score | .6 |
| Exons | 542..688 | | |
| Seq. No. | 6801 | Seq. ID | OJ990211_03.9819.C9 |
| Gene No. | 14254 | Strand | - |
| Start | 877 | End | 2858 |
| Name | OJ990211_03.9819.C9.o1.gs | Method | GENSCAN |
| Start | 877 | End | 2858 |
| GI | none | Score | .68 |
| Exons | 877..998, 1789..1938, 2801..2858 | | |
| Seq. No. | 6802 | Seq. ID | OJ990211_03.9819.C10 |
| Gene No. | 14255 | Strand | + |
| Start | 345 | End | 4200 |
| Name | OJ990211_03.9819.C10.o1.gs | Method | GENSCAN |
| Start | 345 | End | 4200 |
| GI | none | Score | .65 |
| Exons | 345..483, 1884..2059, 2146..2286, 2395..2519, 3765..4200 | | |
| Seq. No. | 6803 | Seq. ID | OJ990211_03.9819.C11 |
| Gene No. | 14256 | Strand | + |
| Start | 122 | End | 752 |
| Name | OJ990211_03.9819.C11.o1.gs | Method | GENSCAN |
| Start | 122 | End | 752 |
| GI | none | Score | .6 |
| Exons | 122..466, 666..752 | | |
| Seq. No. | 6804 | Seq. ID | OJ990211_03.9819.C14 |
| Gene No. | 14257 | Strand | - |
| Start | 2672 | End | 3232 |
| Name | OJ990211_03.9819.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 2667 | End | 3013 |
| GI | none | Score | 215 |
| Exons | 2667..2867, 2669..2911, 2678..2866, 2936..3013, 2940..2990 | | |
| Seq. No. | 6804 | Seq. ID | OJ990211_03.9819.C14 |
| Gene No. | 14257 | Strand | - |
| Start | 2672 | End | 3232 |
| Name | OJ990211_03.9819.C14.o2.gs | Method | GENSCAN |
| Start | 2672 | End | 2981 |
| GI | none | Score | .96 |
| Exons | 2672..2848, 2936..2981 | | |

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|---|---|---|---|
| Seq. No. | 6804 | Seq. ID | OJ990211_03.9819.C14 |
| Gene No. | 14257 | Strand | - |
| Start | 2672 | End | 3232 |
| Name | OJ990211_03.9819.C14.o1.np | Method | AAT/NAP |
| Start | 2684 | End | 3232 |
| GI | 3021508 | Score | 270 |
| Exons | 2684..2848, 2936..3051, 3114..3232 | | |
| GI Descrip. | (AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 6804 | Seq. ID | OJ990211_03.9819.C14 |
| Gene No. | 14257 | Strand | - |
| Start | 2672 | End | 3232 |
| Name | OJ990211_03.9819.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 2684 | End | 3013 |
| GI | none | Score | 118 |
| Exons | 2684..2866, 2685..2849, 2936..3013, 2937..2990 | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 183 | End | 2628 |
| GI | none | Score | 181 |
| Exons | 183..383, 185..427, 194..382, 452..502, 456..506, 677..808, 690..809, 691..813, 696..809, 917..1003, 927..998, 928..1005, 932..1012, 1884..1988, 1896..1985, 2230..2418, 2250..2420, 2269..2418, 2270..2500, 2274..2447, 2529..2624, 2535..2624, 2536..2628, 2545..2628 | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.gs | Method | GENSCAN |
| Start | 188 | End | 2618 |
| GI | none | Score | .84 |
| Exons | 188..364, 452..497, 692..807, 2292..2417, 2547..2618 | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 200 | End | 2624 |
| GI | none | Score | 95 |
| Exons | 200..382, 201..365, 452..502, 453..506, 691..813, 692..808, 927..1004, 928..1005, 1881..1988, 1884..1988, 1888..1992, 2227..2418, 2250..2420, 2269..2418, 2535..2624, 2540..2623 | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.np | Method | AAT/NAP |
| Start | 218 | End | 2639 |
| GI | 5360754 | Score | 915 |
| Exons | 218..364, 452..497, 692..807, 930..1000, 1892..1987, 2270..2417, 2547..2639 | | |
| GI Descrip. | (AB011441) glucose-6-phosphate dehydrogenase [Triticum aestivum] | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.gp | Method | AAT/GAP |
| Start | 759 | End | 2653 |
| GI | LIB3434-013-P1-K1-C10 | Score | 777 |
| Exons | 759..807, 930..1000, 1892..1987, 2270..2417, 2547..2653 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 919 | End | 2624 |
| GI | none | Score | 61 |
| Exons | 919..996, 930..998, 1890..1988, 2250..2420, 2267..2287, 2269..2418, 2321..2425, 2535..2624, 2542..2619 | | |

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|---|---|---|---|
| Seq. No. | 6805 | Seq. ID | OJ990211_03.9819.C15 |
| Gene No. | 14258 | Strand | - |
| Start | 188 | End | 2653 |
| Name | OJ990211_03.9819.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 2358 | End | 2628 |
| GI | none | Score | 80 |
| Exons | 2358..2420, 2359..2418, 2535..2624, 2536..2628 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14259 | Strand | + |
| Start | 4967 | End | 5218 |
| Name | OJ990211_03.9819.C16.o1.gp | Method | AAT/GAP |
| Start | 4967 | End | 5218 |
| GI | 3761181 | Score | 430 |
| Exons | 4967..5218 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14260 | Strand | + |
| Start | 5587 | End | 8218 |
| Name | OJ990211_03.9819.C16.o2.gs | Method | GENSCAN |
| Start | 5587 | End | 8035 |
| GI | none | Score | .61 |
| Exons | 5587..5863, 6017..6635, 7333..8035 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14260 | Strand | + |
| Start | 5587 | End | 8218 |
| Name | OJ990211_03.9819.C16.o2.np | Method | AAT/NAP |
| Start | 5630 | End | 8218 |
| GI | 5091513 | Score | 1836 |
| Exons | 5630..6590, 7243..8218 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |

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|---|---|---|---|
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2302 |
| GI | 3021508 | Score | 757 |
| Exons | 1..20, 325..394, 571..639, 715..872, 1340..1526, 1596..1644, 1801..1886, 2135..2302 | | |
| GI Descrip. | (AJ001769) glucose-6-phosphate dehydrogenase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 329 | End | 2340 |
| GI | none | Score | 104 |
| Exons | 329..400, 336..413, 565..639, 572..640, 712..873, 713..871, 720..875, 1332..1412, 1332..1457, 1340..1432, 1342..1491, 1437..1541, 1444..1542, 1792..1887, 1799..1903, 1800..1886, 2113..2247, 2133..2246, 2135..2248, 2136..2267, 2257..2286, 2302..2340 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 329 | End | 2228 |
| GI | none | Score | 101 |
| Exons | 329..400, 336..413, 561..632, 565..639, 572..640, 712..861, 715..861, 734..868, 1344..1541, 1345..1539, 1800..1886, 1801..1899, 1820..1918, 2135..2227, 2136..2228 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 329 | End | 843 |
| GI | none | Score | 106 |
| Exons | 329..400, 336..413, 337..438, 565..639, 572..640, 596..640, 712..843, 715..843 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 557 | End | 885 |
| GI | none | Score | 83 |
| Exons | 557..640, 568..663, 709..885, 712..861 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o1.gs | Method | GENSCAN |
| Start | 715 | End | 5485 |
| GI | none | Score | .57 |
| Exons | 715..872, 1421..1526, 1596..1644, 1801..1886, 2135..2353, 3644..3693, 5188..5485 | | |

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|---|---|---|---|
| Seq. No. | 6806 | Seq. ID | OJ990211_03.9819.C16 |

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|---|---|---|---|
| Gene No. | 14261 | Strand | - |
| Start | 1 | End | 5485 |
| Name | OJ990211_03.9819.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 1338 | End | 1845 |
| GI | none | Score | 96 |
| Exons | 1338..1430, 1340..1447, 1341..1442, 1342..1491, 1437..1541, 1444..1542, 1587..1649, 1597..1650, 1792..1845 | | |

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|---|---|---|---|
| Seq. No. | 6807 | Seq. ID | OJ990211_03.9819.C17 |
| Gene No. | 14262 | Strand | - |
| Start | 104 | End | 383 |
| Name | OJ990211_03.9819.C17.o1.gs | Method | GENSCAN |
| Start | 104 | End | 383 |
| GI | none | Score | .52 |
| Exons | 104..126, 236..383 | | |

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|---|---|---|---|
| Seq. No. | 6808 | Seq. ID | OJ990211_03.9819.C18 |
| Gene No. | 14263 | Strand | + |
| Start | 377 | End | 1050 |
| Name | OJ990211_03.9819.C18.o1.gs | Method | GENSCAN |
| Start | 377 | End | 880 |
| GI | none | Score | .66 |
| Exons | 377..880 | | |

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|---|---|---|---|
| Seq. No. | 6808 | Seq. ID | OJ990211_03.9819.C18 |
| Gene No. | 14263 | Strand | + |
| Start | 377 | End | 1050 |
| Name | OJ990211_03.9819.C18.o1.gp | Method | AAT/GAP |
| Start | 604 | End | 1050 |
| GI | 3761484 | Score | 793 |
| Exons | 604..1050 | | |

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|---|---|---|---|
| Seq. No. | 6809 | Seq. ID | OJ990211_03.9819.C19 |
| Gene No. | 14264 | Strand | + |
| Start | 1166 | End | 1767 |
| Name | OJ990211_03.9819.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 299 | End | 595 |
| GI | none | Score | 70 |
| Exons | 299..595, 447..590 | | |

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|---|---|---|---|
| Seq. No. | 6809 | Seq. ID | OJ990211_03.9819.C19 |
| Gene No. | 14264 | Strand | + |
| Start | 1166 | End | 1767 |
| Name | OJ990211_03.9819.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 676 | End | 992 |
| GI | none | Score | 82 |
| Exons | 676..723, 738..992, 739..918 | | |

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|---|---|---|---|
| Seq. No. | 6809 | Seq. ID | OJ990211_03.9819.C19 |
| Gene No. | 14264 | Strand | + |
| Start | 1166 | End | 1767 |
| Name | OJ990211_03.9819.C19.o1.gs | Method | GENSCAN |
| Start | 1166 | End | 1767 |
| GI | none | Score | .98 |
| Exons | 1166..1193, 1454..1767 | | |

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|---|---|---|---|
| Seq. No. | 6810 | Seq. ID | OJ990211_03.9819.C20 |

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|---|---|---|---|
| Gene No. | 14265 | Strand | - |
| Start | 1 | End | 360 |
| Name | OJ990211_03.9819.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 189 |
| GI | 5669654 | Score | 84 |
| Exons | 1..189 | | |
| GI Descrip. | (AF096262) ER6 protein [Lycopersicon esculentum] | | |

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| Seq. No. | 6810 | Seq. ID | OJ990211_03.9819.C20 |
| Gene No. | 14265 | Strand | - |
| Start | 1 | End | 360 |
| Name | OJ990211_03.9819.C20.o1.gs | Method | GENSCAN |
| Start | 9 | End | 360 |
| GI | none | Score | .97 |
| Exons | 9..360 | | |

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|---|---|---|---|
| Seq. No. | 6811 | Seq. ID | OJ990211_03.9819.C22 |
| Gene No. | 14266 | Strand | + |
| Start | 108 | End | 539 |
| Name | OJ990211_03.9819.C22.o1.gs | Method | GENSCAN |
| Start | 108 | End | 539 |
| GI | none | Score | .96 |
| Exons | 108..539 | | |

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|---|---|---|---|
| Seq. No. | 6811 | Seq. ID | OJ990211_03.9819.C22 |
| Gene No. | 14267 | Strand | - |
| Start | 749 | End | 1266 |
| Name | OJ990211_03.9819.C22.o2.gs | Method | GENSCAN |
| Start | 749 | End | 1266 |
| GI | none | Score | .84 |
| Exons | 749..799, 839..890, 1045..1097, 1190..1266 | | |

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|---|---|---|---|
| Seq. No. | 6812 | Seq. ID | OJ990211_03.9819.C23 |
| Gene No. | 14268 | Strand | + |
| Start | 194 | End | 724 |
| Name | OJ990211_03.9819.C23.o1.gs | Method | GENSCAN |
| Start | 194 | End | 724 |
| GI | none | Score | .53 |
| Exons | 194..223, 632..724 | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.gs | Method | GENSCAN |
| Start | 610 | End | 2313 |
| GI | none | Score | .77 |
| Exons | 610..1242, 1372..2313 | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.np | Method | AAT/NAP |
| Start | 631 | End | 2313 |
| GI | 5915837 | Score | 1011 |
| Exons | 631..1242, 1372..1777, 1811..2313 | | |
| GI Descrip. | CYTOCHROME P450 71D8 (P450 CP7) gi\|3334667\|emb\|CAA71517\| (Y10493) putative cytochrome P450 [Glycine max] | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.tw | Method | TBLASTX:Wheat |
| Start | 637 | End | 919 |
| GI | none | Score | 200 |
| Exons | 637..909, 637..909, 641..919 | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.tc | Method | TBLASTX:Cress |
| Start | 643 | End | 1242 |
| GI | none | Score | 230 |
| Exons | 643..1014, 650..1108, 1054..1242, 1139..1231 | | |

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| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.ts | Method | TBLASTX:Soybean |
| Start | 643 | End | 2215 |
| GI | none | Score | 254 |
| Exons | 643..1014, 644..1021, 781..1026, 1040..1240, 1054..1293, 1375..1704, 1828..1953, 1996..2103, 2119..2214, 2174..2215 | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 670 | End | 1264 |
| GI | none | Score | 204 |
| Exons | 670..1263, 680..1111, 1139..1264 | | |

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| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o2.tw | Method | TBLASTX:Wheat |
| Start | 937 | End | 1466 |
| GI | none | Score | 320 |
| Exons | 937..1293, 938..1300, 1372..1461, 1378..1464, 1383..1466 | | |

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| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o2.tm | Method | TBLASTX:Maize |
| Start | 1600 | End | 2230 |
| GI | none | Score | 123 |
| Exons | 1600..1707, 1828..1962, 1843..1971, 1865..2044, 1999..2103, 2161..2214, 2171..2230 | | |

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|---|---|---|---|
| Seq. No. | 6813 | Seq. ID | OJ990211_03.9819.C24 |
| Gene No. | 14269 | Strand | - |
| Start | 610 | End | 2313 |
| Name | OJ990211_03.9819.C24.o2.tc | Method | TBLASTX:Cress |
| Start | 1843 | End | 2214 |
| GI | none | Score | 63 |

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|---|---|---|---|
| Exons | 1843..2103, 1868..2026, 2167..2214 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o1.gs | Method | GENSCAN |
| Start | 58 | End | 1438 |
| GI | none | Score | .42 |
| Exons | 58..218, 416..512, 526..1438 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o1.gp | Method | AAT/GAP |
| Start | 308 | End | 696 |
| GI | 3107601 | Score | 674 |
| Exons | 308..696 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o1.np | Method | AAT/NAP |
| Start | 623 | End | 1936 |
| GI | 6721172 | Score | 1079 |
| Exons | 623..1936 | | |
| GI Descrip. | (AC016829) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 914 | End | 1852 |
| GI | none | Score | 79 |
| Exons | 914..1060, 935..1033, 1055..1255, 1070..1423, 1076..1219, 1124..1348, 1132..1347, 1169..1471, 1253..1435, 1283..1474, 1475..1633, 1475..1642, 1502..1648, 1727..1750, 1778..1852 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 920 | End | 1822 |
| GI | none | Score | 77 |
| Exons | 920..1063, 1076..1372, 1157..1468, 1250..1468, 1250..1471, 1478..1633, 1697..1822 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |
| Name | OJ990211_03.9819.C25.o2.tm | Method | TBLASTX:Maize |
| Start | 1030 | End | 1345 |
| GI | none | Score | 237 |
| Exons | 1030..1266, 1037..1297, 1178..1345 | | |
| Seq. No. | 6814 | Seq. ID | OJ990211_03.9819.C25 |
| Gene No. | 14270 | Strand | + |
| Start | 58 | End | 1936 |

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|---|---|---|---|
| Name | OJ990211_03.9819.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 1365 | End | 1650 |
| GI | none | Score | 232 |
| Exons | 1365..1637, 1366..1650, 1367..1645 | | |

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|---|---|---|---|
| Seq. No. | 6815 | Seq. ID | OJ990211_03.9819.C26 |
| Gene No. | 14271 | Strand | - |
| Start | 605 | End | 1063 |
| Name | OJ990211_03.9819.C26.o1.gs | Method | GENSCAN |
| Start | 605 | End | 1063 |
| GI | none | Score | .92 |
| Exons | 605..1063 | | |

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|---|---|---|---|
| Seq. No. | 6816 | Seq. ID | OJ990211_03.9819.C27 |
| Gene No. | 14272 | Strand | - |
| Start | 574 | End | 750 |
| Name | OJ990211_03.9819.C27.o1.gs | Method | GENSCAN |
| Start | 574 | End | 750 |
| GI | none | Score | .49 |
| Exons | 574..750 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.gs | Method | GENSCAN |
| Start | 1802 | End | 3742 |
| GI | none | Score | .57 |
| Exons | 1802..2554, 3416..3742 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o2.tm | Method | TBLASTX:Maize |
| Start | 1811 | End | 2074 |
| GI | none | Score | 352 |
| Exons | 1811..1852, 1825..1968, 1826..2074, 1928..2074 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.np | Method | AAT/NAP |
| Start | 1817 | End | 3871 |
| GI | 6016732 | Score | 1022 |
| Exons | 1817..2557, 3416..3871 | | |
| GI Descrip. | (AC009325) hypothetical protein [Arabidopsis thaliana] gi\|6091719\|gb\|AAF03431.1\|AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.tc | Method | TBLASTX:Cress |
| Start | 1828 | End | 2074 |
| GI | none | Score | 257 |
| Exons | 1828..1968, 1829..2074 | | |

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| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |

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|---|---|---|---|
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.ts | Method | TBLASTX:Soybean |
| Start | 1829 | End | 3489 |
| GI | none | Score | 282 |
| Exons | 1829..2086, 1831..1968, 1928..2011, 2114..2320, 2125..2304, 2213..2308, 2258..2305, 2384..2470, 2420..2473, 2480..2557, 2500..2556, 3410..3487, 3415..3489 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.tm | Method | TBLASTX:Maize |
| Start | 2075 | End | 3526 |
| GI | none | Score | 372 |
| Exons | 2075..2347, 2116..2340, 2255..2323, 2384..2482, 2390..2494, 2391..2522, 2430..2555, 2480..2557, 2494..2556, 3402..3506, 3408..3506, 3410..3526, 3410..3520, 3412..3525 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o2.gp | Method | AAT/GAP |
| Start | 2309 | End | 3476 |
| GI | uC-osflcyp158a11b1 | Score | 594 |
| Exons | 2309..2554, 3416..3476 | | |
| GI Descrip. | '6016732/gb\|AAF01558.1\|AC009325_28 9.0e-13 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091719_gb_AAF03431.1_AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o3.tm | Method | TBLASTX:Maize |
| Start | 3613 | End | 3871 |
| GI | none | Score | 106 |
| Exons | 3613..3687, 3614..3691, 3669..3860, 3686..3871, 3689..3859, 3691..3870 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o2.ts | Method | TBLASTX:Soybean |
| Start | 3632 | End | 3871 |
| GI | none | Score | 203 |
| Exons | 3632..3871, 3632..3850, 3643..3870 | | |

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|---|---|---|---|
| Seq. No. | 6817 | Seq. ID | OJ990211_03.9819.C28 |
| Gene No. | 14273 | Strand | + |
| Start | 1802 | End | 3871 |
| Name | OJ990211_03.9819.C28.o1.tw | Method | TBLASTX:Wheat |
| Start | 3656 | End | 3871 |
| GI | none | Score | 311 |
| Exons | 3656..3871, 3658..3870 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |

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|---|---|---|---|
| Gene No. | 14274 | Strand | + |
| Start | 48 | End | 434 |
| Name | OJ990211_03.9819.C29.o1.gp | Method | AAT/GAP |
| Start | 48 | End | 434 |
| GI | 572337 | Score | 747 |
| Exons | 48..434 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o4.tm | Method | TBLASTX:Maize |
| Start | 9 | End | 564 |
| GI | none | Score | 73 |
| Exons | 9..53, 20..136, 24..89, 47..109, 107..205, 126..158, 155..268, 261..311, 261..311, 390..542, 392..541, 502..564 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o2.gp | Method | AAT/GAP |
| Start | 955 | End | 2867 |
| GI | 15763_1.R1084 | Score | 2323 |
| Exons | 955..1790, 1869..1990, 2074..2116, 2203..2315, 2414..2473, 2787..2867 | | |
| GI Descrip. | '6016737/gb\|AAF01563.1\|AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o2.gs | Method | GENSCAN |
| Start | 1527 | End | 5348 |
| GI | none | Score | .77 |
| Exons | 1527..1990, 2414..2473, 2787..2856, 3202..3266, 3863..4000, 4079..5348 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o1.np | Method | AAT/NAP |
| Start | 1530 | End | 5240 |
| GI | 6016737 | Score | 647 |
| Exons | 1530..1790, 1869..2013, 2067..2109, 2199..2344, 3859..3983, 4125..5240 | | |
| GI Descrip. | (AC009325) hypothetical protein [Arabidopsis thaliana] gi\|6091741\|gb\|AAF03453.1\|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o2.ts | Method | TBLASTX:Soybean |
| Start | 1542 | End | 1799 |
| GI | none | Score | 84 |
| Exons | 1542..1748, 1560..1754, 1633..1761, 1761..1799 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o3.tm | Method | TBLASTX:Maize |
| Start | 1599 | End | 2858 |
| GI | none | Score | 184 |
| Exons | 1599..1799, 1633..1791, 1830..1991, 1868..1918, 1909..1992, 2064..2120, 2065..2121, 2074..2121, 2178..2315, 2194..2316, 2203..2316, 2207..2317, 2406..2444, 2414..2458, 2764..2853, 2775..2858, 2787..2858 | | |

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| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o3.gp | Method | AAT/GAP |
| Start | 3013 | End | 4104 |
| GI | LIB3432-004-P1-K1-F10 | Score | 783 |
| Exons | 3013..3266, 3863..4000, 4079..4104 | | |
| GI Descrip. | '4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o2.tm | Method | TBLASTX:Maize |
| Start | 3860 | End | 4362 |
| GI | none | Score | 105 |
| Exons | 3860..3982, 3862..3981, 3864..3989, 3909..4001, 3928..4008, 4068..4325, 4069..4338, 4329..4361, 4330..4362 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o6.tm | Method | TBLASTX:Maize |
| Start | 4377 | End | 4559 |
| GI | none | Score | 182 |
| Exons | 4377..4559, 4408..4557 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o1.ts | Method | TBLASTX:Soybean |
| Start | 4471 | End | 4845 |
| GI | none | Score | 91 |
| Exons | 4471..4668, 4536..4841, 4596..4763, 4693..4845 | | |

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| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o1.tc | Method | TBLASTX:Cress |
| Start | 4536 | End | 4761 |
| GI | none | Score | 141 |
| Exons | 4536..4757, 4537..4761 | | |

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| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |

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|---|---|---|---|
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o1.tm | Method | TBLASTX:Maize |
| Start | 4560 | End | 5165 |
| GI | none | Score | 413 |
| Exons | 4560..4952, 4564..4938, 4938..5165, 4942..5163 | | |

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|---|---|---|---|
| Seq. No. | 6818 | Seq. ID | OJ990211_03.9819.C29 |
| Gene No. | 14275 | Strand | - |
| Start | 955 | End | 5387 |
| Name | OJ990211_03.9819.C29.o5.tm | Method | TBLASTX:Maize |
| Start | 5166 | End | 5387 |
| GI | none | Score | 110 |
| Exons | 5166..5264, 5170..5262, 5262..5363, 5265..5387, 5272..5364 | | |

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|---|---|---|---|
| Seq. No. | 6819 | Seq. ID | OJ990211_03.9819.C30 |
| Gene No. | 14276 | Strand | + |
| Start | 163 | End | 1345 |
| Name | OJ990211_03.9819.C30.o1.gs | Method | GENSCAN |
| Start | 163 | End | 1345 |
| GI | none | Score | .63 |
| Exons | 163..205, 489..640, 1007..1100, 1237..1345 | | |

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|---|---|---|---|
| Seq. No. | 6820 | Seq. ID | OJ990211_03.9819.C32 |
| Gene No. | 14277 | Strand | - |
| Start | 381 | End | 578 |
| Name | OJ990211_03.9819.C32.o1.gs | Method | GENSCAN |
| Start | 381 | End | 578 |
| GI | none | Score | .68 |
| Exons | 381..578 | | |

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|---|---|---|---|
| Seq. No. | 6821 | Seq. ID | OJ990211_03.9819.C34 |
| Gene No. | 14278 | Strand | + |
| Start | 1 | End | 604 |
| Name | OJ990211_03.9819.C34.o1.np | Method | AAT/NAP |
| Start | 1 | End | 604 |
| GI | 5441880 | Score | 376 |
| Exons | 1..24, 180..255, 370..604 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6821 | Seq. ID | OJ990211_03.9819.C34 |
| Gene No. | 14278 | Strand | + |
| Start | 1 | End | 604 |
| Name | OJ990211_03.9819.C34.o1.gs | Method | GENSCAN |
| Start | 318 | End | 572 |
| GI | none | Score | .61 |
| Exons | 318..365, 370..572 | | |

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|---|---|---|---|
| Seq. No. | 6822 | Seq. ID | OJ990211_03.9819.C36 |
| Gene No. | 14279 | Strand | - |
| Start | 212 | End | 1420 |
| Name | OJ990211_03.9819.C36.o1.gs | Method | GENSCAN |
| Start | 212 | End | 1420 |
| GI | none | Score | .66 |
| Exons | 212..1420 | | |

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|---|---|---|---|
| Seq. No. | 6822 | Seq. ID | OJ990211_03.9819.C36 |
| Gene No. | 14279 | Strand | - |
| Start | 212 | End | 1420 |
| Name | OJ990211_03.9819.C36.o1.np | Method | AAT/NAP |
| Start | 215 | End | 1420 |
| GI | 1196998 | Score | 2099 |
| Exons | 215..1420 | | |
| GI Descrip. | (J01829) unknown protein [Transposon Tn10] gi\|5103202\|dbj\|BAA78838.1\| (AP000342) transposase of Tn10 [Plasmid R100] gi\|5706382\|dbj\|BAA83097.1\| (AB026428) transposase [Methylomonas aminofaciens] gi\|5738092\|gb\|AAD50250.1\|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi\|6721110\|gb\|AAF26764.1\|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6822 | Seq. ID | OJ990211_03.9819.C36 |
| Gene No. | 14280 | Strand | |
| Start | 1380 | End | 1509 |
| Name | OJ990211_03.9819.C36.o1.tc | Method | TBLASTX:Cress |
| Start | 1380 | End | 1509 |
| GI | none | Score | 177 |
| Exons | 1380..1499, 1380..1499, 1381..1509, 1382..1501 | | |

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|---|---|---|---|
| Seq. No. | 6823 | Seq. ID | OJ990211_03.9819.C37 |
| Gene No. | 14281 | Strand | + |
| Start | 30 | End | 398 |
| Name | OJ990211_03.9819.C37.o1.gs | Method | GENSCAN |
| Start | 30 | End | 398 |
| GI | none | Score | .45 |
| Exons | 30..146, 333..398 | | |

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|---|---|---|---|
| Seq. No. | 6823 | Seq. ID | OJ990211_03.9819.C37 |
| Gene No. | 14282 | Strand | - |
| Start | 1 | End | 384 |
| Name | OJ990211_03.9819.C37.o1.np | Method | AAT/NAP |
| Start | 1 | End | 384 |
| GI | 6721512 | Score | 152 |
| Exons | 1..82, 124..238, 269..384 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6824 | Seq. ID | OJ990211_03.9819.C38 |
| Gene No. | 14283 | Strand | + |
| Start | 34 | End | 3366 |
| Name | OJ990211_03.9819.C38.o1.np | Method | AAT/NAP |
| Start | 34 | End | 3201 |
| GI | 6382527 | Score | 239 |
| Exons | 34..158, 1821..2418, 2871..3201 | | |
| GI Descrip. | (AC011020) unknown protein [Arabidopsis thaliana] gi\|6728869\|gb\|AAF26942.1\|AC008113_13 (AC008113) F12A21.25 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6824 | Seq. ID | OJ990211_03.9819.C38 |
| Gene No. | 14283 | Strand | + |
| Start | 34 | End | 3366 |
| Name | OJ990211_03.9819.C38.o1.gs | Method | GENSCAN |
| Start | 137 | End | 3366 |
| GI | none | Score | .52 |

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|---|---|---|---|
| Exons | 137..143, 215..324, 621..768, 1359..1449, 1692..2111, 2278..2418, 2871..3366 | | |
| Seq. No. | 6824 | Seq. ID | OJ990211_03.9819.C38 |
| Gene No. | 14284 | Strand | + |
| Start | 4036 | End | 4134 |
| Name | OJ990211_03.9819.C38.o1.gp | Method | AAT/GAP |
| Start | 4036 | End | 4134 |
| GI | uC-osrocyp003d03a1 | Score | 186 |
| Exons | 4036..4134 | | |
| GI Descrip. | '5902672/gb\|AAC79672.2\| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]' | | |

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|---|---|---|---|
| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1854 |
| GI | 6382535 | Score | 1224 |
| Exons | 1..971, 1065..1193, 1287..1422, 1503..1591, 1688..1854 | | |
| GI Descrip. | (AC011020) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.gs | Method | GENSCAN |
| Start | 73 | End | 1799 |
| GI | none | Score | .97 |
| Exons | 73..971, 1065..1193, 1287..1422, 1503..1591, 1688..1799 | | |

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|---|---|---|---|
| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.tm | Method | TBLASTX:Maize |
| Start | 534 | End | 1805 |
| GI | none | Score | 384 |
| Exons | 534..971, 534..971, 535..972, 535..975, 1054..1194, 1062..1193, 1262..1399, 1269..1403, 1284..1421, 1285..1428, 1285..1422, 1500..1589, 1500..1550, 1502..1594, 1502..1594, 1689..1805, 1703..1795 | | |

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|---|---|---|---|
| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.ts | Method | TBLASTX:Soybean |
| Start | 556 | End | 1837 |
| GI | none | Score | 312 |
| Exons | 556..816, 558..779, 712..834, 822..962, 826..972, 1054..1194, 1057..1191, 1059..1193, 1284..1406, 1285..1395, 1295..1426, 1496..1588, 1500..1589, 1692..1805, 1700..1816, 1709..1804, 1802..1837 | | |

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| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.gp | Method | AAT/GAP |
| Start | 581 | End | 1427 |

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|---|---|---|---|
| GI | 4715805 | Score | 1245 |
| Exons | 581..971, 1065..1193, 1287..1427 | | |
| GI Descrip. | 5902672/gb\|AAC79672.2\| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans] | | |

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| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o2.tc | Method | TBLASTX:Cress |
| Start | 679 | End | 878 |
| GI | none | Score | 289 |
| Exons | 679..876, 681..878 | | |

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|---|---|---|---|
| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.tw | Method | TBLASTX:Wheat |
| Start | 748 | End | 1338 |
| GI | none | Score | 139 |
| Exons | 748..972, 832..975, 1057..1128, 1060..1149, 1164..1190, 1165..1194, 1285..1338 | | |

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| Seq. No. | 6825 | Seq. ID | OJ990211_03.9819.C39 |
| Gene No. | 14285 | Strand | + |
| Start | 1 | End | 1854 |
| Name | OJ990211_03.9819.C39.o1.tc | Method | TBLASTX:Cress |
| Start | 879 | End | 1589 |
| GI | none | Score | 138 |
| Exons | 879..947, 880..972, 1054..1194, 1059..1199, 1059..1193, 1265..1390, 1280..1387, 1284..1409, 1285..1428, 1285..1422, 1500..1589, 1502..1588 | | |

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| Seq. No. | 6826 | Seq. ID | OJ990211_03.9819.C40 |
| Gene No. | 14286 | Strand | + |
| Start | 286 | End | 610 |
| Name | OJ990211_03.9819.C40.o1.gp | Method | AAT/GAP |
| Start | 286 | End | 610 |
| GI | 31827_1.R1084 | Score | 608 |
| Exons | 286..610 | | |
| GI Descrip. | '4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6826 | Seq. ID | OJ990211_03.9819.C40 |
| Gene No. | 14287 | Strand | + |
| Start | 3100 | End | 3550 |
| Name | OJ990211_03.9819.C40.o2.gp | Method | AAT/GAP |
| Start | 3100 | End | 3550 |
| GI | 4715481 | Score | 819 |
| Exons | 3100..3550 | | |

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|---|---|---|---|
| Seq. No. | 6827 | Seq. ID | OJ990211_03.9819.C41 |
| Gene No. | 14288 | Strand | - |
| Start | 530 | End | 594 |
| Name | OJ990211_03.9819.C41.o1.gs | Method | GENSCAN |
| Start | 530 | End | 594 |
| GI | none | Score | .98 |
| Exons | 530..594 | | |

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|---|---|---|---|
| Seq. No. | 6828 | Seq. ID | OJ990211_03.9819.C43 |
| Gene No. | 14289 | Strand | - |
| Start | 749 | End | 1129 |
| Name | OJ990211_03.9819.C43.o1.gs | Method | GENSCAN |
| Start | 749 | End | 1129 |
| GI | none | Score | .58 |
| Exons | 749..1008, 1123..1129 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14290 | Strand | + |
| Start | 306 | End | 1437 |
| Name | OJ990211_03.9819.C44.o1.gp | Method | AAT/GAP |
| Start | 306 | End | 1437 |
| GI | 3995_1.R1084 | Score | 786 |
| Exons | 306..412, 1112..1437 | | |
| GI Descrip. | '4886282/emb\|CAB43434.1\| 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.gp | Method | AAT/GAP |
| Start | 5423 | End | 5761 |
| GI | 2310943 | Score | 641 |
| Exons | 5423..5761 | | |
| GI Descrip. | 4886282/emb\|CAB43434.1\| 3.0e-09 (AL050300) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.gs | Method | GENSCAN |
| Start | 5532 | End | 12910 |
| GI | none | Score | .71 |
| Exons | 5532..6746, 7176..7317, 7360..7525, 8677..8842, 9623..9770, 9939..10046, 10178..10259, 11276..11540, 12593..12661, 12749..12910 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.np | Method | AAT/NAP |
| Start | 5535 | End | 7719 |
| GI | 6728978 | Score | 393 |
| Exons | 5535..5655, 5851..6843, 7685..7719 | | |
| GI Descrip. | (AC018363) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.tm | Method | TBLASTX:Maize |
| Start | 5604 | End | 5864 |
| GI | none | Score | 404 |
| Exons | 5604..5864, 5630..5863 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |

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|---|---|---|---|
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o1.np | Method | AAT/NAP |
| Start | 5613 | End | 6860 |
| GI | 4886282 | Score | 304 |
| Exons | 5613..6860 | | |
| GI Descrip. | (AL050300) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o1.ts | Method | TBLASTX:Soybean |
| Start | 5622 | End | 6782 |
| GI | none | Score | 323 |
| Exons | 5622..5909, 5630..5884, 6000..6050, 6096..6254, 6354..6665, 6557..6628, 6686..6751, 6687..6782 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.tc | Method | TBLASTX:Cress |
| Start | 5622 | End | 5870 |
| GI | none | Score | 241 |
| Exons | 5622..5870, 5630..5869 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.tw | Method | TBLASTX:Wheat |
| Start | 5628 | End | 5843 |
| GI | none | Score | 205 |
| Exons | 5628..5843, 5633..5800 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o3.tm | Method | TBLASTX:Maize |
| Start | 6540 | End | 6800 |
| GI | none | Score | 100 |
| Exons | 6540..6629, 6540..6629, 6556..6630, 6557..6631, 6612..6800, 6613..6759, 6618..6800 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o3.tc | Method | TBLASTX:Cress |
| Start | 6555 | End | 6842 |
| GI | none | Score | 89 |
| Exons | 6555..6668, 6693..6842 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o3.gp | Method | AAT/GAP |
| Start | 8283 | End | 8368 |
| GI | LIB3477-003-P1-K1-E9 | Score | 111 |
| Exons | 8283..8368 | | |

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|---|---|---|---|
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o4.gp | Method | AAT/GAP |
| Start | 9362 | End | 13002 |
| GI | 18266_1.R1084 | Score | 1863 |
| Exons | 9362..9517, 9623..9770, 9939..10046, 10135..10261, 11276..11540, 12593..12661, 12749..12910, 12986..13002 | | |
| GI Descrip. | '1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis thaliana]' | | |
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o1.tm | Method | TBLASTX:Maize |
| Start | 9665 | End | 12910 |
| GI | none | Score | 104 |
| Exons | 9665..9733, 9675..9734, 9936..10046, 9936..10046, 9941..10069, 9941..10057, 10132..10263, 10134..10259, 11241..11540, 11278..11541, 11278..11541, 12592..12660, 12593..12664, 12593..12661, 12603..12665, 12746..12910, 12754..12909 | | |
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o1.tc | Method | TBLASTX:Cress |
| Start | 9669 | End | 12910 |
| GI | none | Score | 73 |
| Exons | 9669..9734, 9779..9832, 9936..10046, 9941..10045, 10132..10263, 10134..10256, 11241..11537, 11276..11428, 11424..11492, 12596..12664, 12604..12660, 12715..12897, 12746..12898, 12746..12910 | | |
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o3.np | Method | AAT/NAP |
| Start | 9672 | End | 13002 |
| GI | 6689637 | Score | 1131 |
| Exons | 9672..9770, 9939..10046, 10135..10259, 11276..11540, 12593..12661, 12749..13002 | | |
| GI Descrip. | (AJ245968) Toc34-1 protein [Zea mays] | | |
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o1.tw | Method | TBLASTX:Wheat |
| Start | 9936 | End | 11386 |
| GI | none | Score | 166 |
| Exons | 9936..10046, 9936..10046, 9938..10069, 9938..10057, 10132..10263, 10134..10259, 11241..11381, 11273..11386, 11275..11382 | | |

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|---|---|---|---|
| Seq. No. | 6829 | Seq. ID | OJ990211_03.9819.C44 |
| Gene No. | 14291 | Strand | + |
| Start | 5532 | End | 13002 |
| Name | OJ990211_03.9819.C44.o2.ts | Method | TBLASTX:Soybean |
| Start | 9936 | End | 12910 |
| GI | none | Score | 143 |
| Exons | 9936..10046, 9938..10045, 10110..10256, 10126..10263, 10172..10264, 11241..11528, 11277..11495, 11279..11563, 12586..12666, 12602..12664, 12715..12891, 12746..12910, 12746..12910 | | |

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|---|---|---|---|
| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14292 | Strand | + |
| Start | 1 | End | 497 |
| Name | OJ990211_03.9819.C45.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 497 |
| GI | 18266_1.R1084 | Score | 727 |
| Exons | 1..36, 138..497 | | |
| GI Descrip. | '1151244 4.0e-87 (U43377) GTP-binding protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14292 | Strand | + |
| Start | 1 | End | 497 |
| Name | OJ990211_03.9819.C45.o1.np | Method | AAT/NAP |
| Start | 1 | End | 286 |
| GI | 6689637 | Score | 219 |
| Exons | 1..36, 138..286 | | |
| GI Descrip. | (AJ245968) Toc34-1 protein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14292 | Strand | + |
| Start | 1 | End | 497 |
| Name | OJ990211_03.9819.C45.o1.gs | Method | GENSCAN |
| Start | 138 | End | 289 |
| GI | none | Score | .99 |
| Exons | 138..289 | | |

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|---|---|---|---|
| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14293 | Strand | - |
| Start | 1120 | End | 3751 |
| Name | OJ990211_03.9819.C45.o1.tm | Method | TBLASTX:Maize |
| Start | 4 | End | 452 |
| GI | none | Score | 40 |
| Exons | 4..36, 132..161, 137..160, 152..277, 160..285, 161..289, 163..291, 165..293, 165..302, 318..341, 372..452 | | |

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|---|---|---|---|
| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14293 | Strand | - |
| Start | 1120 | End | 3751 |
| Name | OJ990211_03.9819.C45.o2.gp | Method | AAT/GAP |
| Start | 910 | End | 1417 |
| GI | none | Score | 981 |
| Exons | 910..1417 | | |

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| Seq. No. | 6830 | Seq. ID | OJ990211_03.9819.C45 |
| Gene No. | 14293 | Strand | - |

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|---|---|---|---|
| Start | 1120 | End | 3751 |
| Name | OJ990211_03.9819.C45.o2.gs | Method | GENSCAN |
| Start | 1120 | End | 3751 |
| GI | none | Score | .91 |
| Exons | 1120..2514, 2566..3589, 3681..3751 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14294 | Strand | + |
| Start | 128 | End | 2249 |
| Name | OJ990211_03.9819.C46.o1.gs | Method | GENSCAN |
| Start | 128 | End | 2249 |
| GI | none | Score | .47 |
| Exons | 128..420, 589..730, 1110..1270, 2078..2249 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o1.np | Method | AAT/NAP |
| Start | 4922 | End | 5979 |
| GI | 6721543 | Score | 171 |
| Exons | 4922..5050, 5863..5979 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o1.gp | Method | AAT/GAP |
| Start | 4936 | End | 5088 |
| GI | 7406_1.R1084 | Score | 221 |
| Exons | 4936..5088 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o2.gs | Method | GENSCAN |
| Start | 5539 | End | 11767 |
| GI | none | Score | .53 |
| Exons | 5539..7670, 7872..8167, 8607..8757, 8863..9109, 9284..9694, 9786..10084, 10161..10321, 10664..10745, 11008..11139, 11202..11249, 11254..11456, 11607..11767 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o2.np | Method | AAT/NAP |
| Start | 5992 | End | 11488 |
| GI | 5441880 | Score | 4734 |
| Exons | 5992..6997, 7442..7473, 7732..8047, 8607..8757, 8863..9199, 9786..10084, 10161..10419, 10664..10761, 11008..11139, 11254..11488 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |

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|---|---|---|---|
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o2.gp | Method | AAT/GAP |
| Start | 6596 | End | 7027 |
| GI | 5701669 | Score | 837 |
| Exons | 6596..7027 | | |
| GI Descrip. | 5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o3.gp | Method | AAT/GAP |
| Start | 9912 | End | 10411 |
| GI | LIB3475-007-P1-K1-G8 | Score | 781 |
| Exons | 9912..10084, 10161..10411 | | |
| GI Descrip. | '5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]' | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o4.gp | Method | AAT/GAP |
| Start | 11592 | End | 13407 |
| GI | LIB3431-045-P1-N1-A10 | Score | 817 |
| Exons | 11592..11935, 13298..13407 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)' | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14295 | Strand | + |
| Start | 4922 | End | 13743 |
| Name | OJ990211_03.9819.C46.o3.gs | Method | GENSCAN |
| Start | 11994 | End | 13743 |
| GI | none | Score | .62 |
| Exons | 11994..11996, 12179..12337, 12404..12481, 13621..13743 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14296 | Strand | + |
| Start | 22860 | End | 26476 |
| Name | OJ990211_03.9819.C46.o4.np | Method | AAT/NAP |
| Start | 22860 | End | 26476 |
| GI | 6598759 | Score | 52 |
| Exons | 22860..22896, 24332..24405, 26432..26476 | | |
| GI Descrip. | (AC007295) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14297 | Strand | - |
| Start | 14247 | End | 14783 |
| Name | OJ990211_03.9819.C46.o4.gs | Method | GENSCAN |
| Start | 14247 | End | 14783 |
| GI | none | Score | 1 |
| Exons | 14247..14783 | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |

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|---|---|---|---|
| Gene No. | 14298 | Strand | - |
| Start | 15346 | End | 20886 |
| Name | OJ990211_03.9819.C46.o5.gs | Method | GENSCAN |
| Start | 15346 | End | 20886 |
| GI | none | Score | .64 |
| Exons | 15346..15605, 15994..20121, 20832..20886 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14298 | Strand | - |
| Start | 15346 | End | 20886 |
| Name | OJ990211_03.9819.C46.o3.np | Method | AAT/NAP |
| Start | 15977 | End | 20113 |
| GI | 4234852 | Score | 4378 |
| Exons | 15977..19910, 19953..20113 | | |
| GI Descrip. | (AF082133) gag-pol polyprotein [Zea mays] | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o2.tm | Method | TBLASTX:Maize |
| Start | 6553 | End | 7149 |
| GI | none | Score | 93 |
| Exons | 6553..6681, 6561..6659, 6715..7014, 6732..6953, 7078..7149 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o3.tw | Method | TBLASTX:Wheat |
| Start | 6847 | End | 7227 |
| GI | none | Score | 204 |
| Exons | 6847..7041, 6856..7053, 7047..7157, 7051..7227, 7051..7197 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o7.tm | Method | TBLASTX:Maize |
| Start | 16016 | End | 16474 |
| GI | none | Score | 55 |
| Exons | 16016..16207, 16256..16432, 16415..16474 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o4.tw | Method | TBLASTX:Wheat |
| Start | 16028 | End | 16427 |
| GI | none | Score | 118 |
| Exons | 16028..16423, 16194..16427 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o3.ts | Method | TBLASTX:Soybean |
| Start | 16031 | End | 16597 |
| GI | none | Score | 131 |
| Exons | 16031..16222, 16211..16402, 16415..16597 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |

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|---|---|---|---|
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o3.tm | Method | TBLASTX:Maize |
| Start | 16487 | End | 16918 |
| GI | none | Score | 131 |
| Exons | 16487..16783, 16488..16643, 16757..16918 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o1.tw | Method | TBLASTX:Wheat |
| Start | 16583 | End | 17363 |
| GI | none | Score | 152 |
| Exons | 16583..17032, 16587..17033, 17009..17362, 17018..17362, 17019..17363 | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o4.tm | Method | TBLASTX:Maize |
| Start | 16919 | End | 17362 |
| GI | none | Score | 139 |
| Exons | 16919..17020, 17054..17362, 17055..17345 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o1.ts | Method | TBLASTX:Soybean |
| Start | 17054 | End | 17491 |
| GI | 5509260 | Score | 44 |
| Exons | 17054..17491, 17055..17087, 17130..17402 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o1.tc | Method | TBLASTX:Cress |
| Start | 17144 | End | 17404 |
| GI | none | Score | 116 |
| Exons | 17144..17404, 17166..17402 | | |

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| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o4.ts | Method | TBLASTX:Soybean |
| Start | 17972 | End | 18358 |
| GI | none | Score | 79 |
| Exons | 17972..18145, 18149..18358, 18177..18356 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o2.tw | Method | TBLASTX:Wheat |
| Start | 17975 | End | 18637 |
| GI | none | Score | 35 |
| Exons | 17975..18073, 18000..18074, 18053..18358, 18075..18335, 18398..18637, 18399..18419, 18468..18623 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o2.tc | Method | TBLASTX:Cress |
| Start | 17978 | End | 18358 |
| GI | none | Score | 123 |
| Exons | 17978..18145, 18158..18358 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o6.tm | Method | TBLASTX:Maize |
| Start | 18164 | End | 18622 |
| GI | none | Score | 85 |
| Exons | 18164..18349, 18186..18347, 18398..18622 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o2.ts | Method | TBLASTX:Soybean |
| Start | 18413 | End | 18799 |
| GI | none | Score | 38 |
| Exons | 18413..18799, 18471..18554, 18582..18788 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o1.tm | Method | TBLASTX:Maize |
| Start | 19013 | End | 20021 |
| GI | none | Score | 50 |
| Exons | 19013..19114, 19116..19166, 19271..19402, 19290..19331, 19412..20020, 19443..20021 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o6.gs | Method | GENSCAN |
| Start | 21241 | End | 27598 |
| GI | none | Score | .74 |
| Exons | 21241..21659, 22264..22302, 26552..26646, 27591..27598 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o5.tm | Method | TBLASTX:Maize |
| Start | 24792 | End | 25123 |
| GI | none | Score | 101 |
| Exons | 24792..24899, 24792..24899, 24793..24900, 24977..25123, 24980..25111 | | |

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|---|---|---|---|
| Seq. No. | 6831 | Seq. ID | OJ990211_03.9819.C46 |
| Gene No. | 14299 | Strand | - |
| Start | 21241 | End | 27598 |
| Name | OJ990211_03.9819.C46.o5.ts | Method | TBLASTX:Soybean |
| Start | 24792 | End | 25096 |
| GI | none | Score | 75 |

| | | | |
|---|---|---|---|
| Exons | 24792..24899, 24792..24899, 24793..24900, 24977..25096, 24980..25081 | | |
| Seq. No. | 6832 | Seq. ID | OJ990211_03.9819.C48 |
| Gene No. | 14300 | Strand | - |
| Start | 1 | End | 1118 |
| Name | OJ990211_03.9819.C48.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1118 |
| GI | 5441880 | Score | 466 |
| Exons | 1..409, 515..753, 1095..1118 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |
| Seq. No. | 6832 | Seq. ID | OJ990211_03.9819.C48 |
| Gene No. | 14300 | Strand | - |
| Start | 1 | End | 1118 |
| Name | OJ990211_03.9819.C48.o1.gs | Method | GENSCAN |
| Start | 334 | End | 663 |
| GI | none | Score | .73 |
| Exons | 334..409, 515..663 | | |
| Seq. No. | 6833 | Seq. ID | OJ990211_03.9819.C51 |
| Gene No. | 14301 | Strand | + |
| Start | 448 | End | 2382 |
| Name | OJ990211_03.9819.C51.o1.gs | Method | GENSCAN |
| Start | 448 | End | 2218 |
| GI | none | Score | .84 |
| Exons | 448..575, 697..763, 1283..1388, 1481..1598, 2099..2218 | | |
| Seq. No. | 6833 | Seq. ID | OJ990211_03.9819.C51 |
| Gene No. | 14301 | Strand | + |
| Start | 448 | End | 2382 |
| Name | OJ990211_03.9819.C51.o1.np | Method | AAT/NAP |
| Start | 459 | End | 2382 |
| GI | 4584525 | Score | 181 |
| Exons | 459..575, 697..763, 1283..1388, 1481..1616, 2079..2223, 2295..2382 | | |
| GI Descrip. | (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana] | | |
| Seq. No. | 6834 | Seq. ID | OJ990211_03.9819.C52 |
| Gene No. | 14302 | Strand | + |
| Start | 761 | End | 908 |
| Name | OJ990211_03.9819.C52.o1.np | Method | AAT/NAP |
| Start | 761 | End | 908 |
| GI | 499014 | Score | 98 |
| Exons | 761..908 | | |
| GI Descrip. | (X79609) putative heme ABC transporter membrane domain [Triticum aestivum] gi\|1395188\|dbj\|BAA10942\| (D64067) ABC-type heme transporter subunit [Oryza sativa] | | |
| Seq. No. | 6834 | Seq. ID | OJ990211_03.9819.C52 |
| Gene No. | 14303 | Strand | + |
| Start | 1314 | End | 1532 |
| Name | OJ990211_03.9819.C52.o1.gs | Method | GENSCAN |
| Start | 1314 | End | 1492 |

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|---|---|---|---|
| GI | none | Score | .56 |
| Exons | 1314..1492 | | |

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|---|---|---|---|
| Seq. No. | 6834 | Seq. ID | OJ990211_03.9819.C52 |
| Gene No. | 14303 | Strand | + |
| Start | 1314 | End | 1532 |
| Name | OJ990211_03.9819.C52.o2.np | Method | AAT/NAP |
| Start | 1317 | End | 1532 |
| GI | 4678261 | Score | 154 |
| Exons | 1317..1532 | | |
| GI Descrip. | (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14304 | Strand | + |
| Start | 86 | End | 152 |
| Name | OJ990211_03.9819.C53.o1.gp | Method | AAT/GAP |
| Start | 86 | End | 152 |
| GI | none | Score | 94 |
| Exons | 86..152 | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14305 | Strand | + |
| Start | 146 | End | 2429 |
| Name | OJ990211_03.9819.C53.o2.gp | Method | AAT/GAP |
| Start | 146 | End | 465 |
| GI | 82047_1.R1084 | Score | 549 |
| Exons | 146..465 | | |
| GI Descrip. | '4678261/emb\|CAB41122.1\| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14305 | Strand | + |
| Start | 146 | End | 2429 |
| Name | OJ990211_03.9819.C53.o1.gs | Method | GENSCAN |
| Start | 209 | End | 469 |
| GI | none | Score | .75 |
| Exons | 209..469 | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14305 | Strand | + |
| Start | 146 | End | 2429 |
| Name | OJ990211_03.9819.C53.o1.np | Method | AAT/NAP |
| Start | 212 | End | 2429 |
| GI | 4678261 | Score | 211 |
| Exons | 212..482, 2378..2429 | | |
| GI Descrip. | (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14306 | Strand | - |
| Start | 1 | End | 2029 |
| Name | OJ990211_03.9819.C53.o2.np | Method | AAT/NAP |
| Start | 1 | End | 2029 |
| GI | 6723793 | Score | 48 |
| Exons | 1..27, 784..850, 1863..2029 | | |
| GI Descrip. | (AJ271079) Ycf2 protein [Oenothera elata subsp. hookeri] | | |

gi|6723830|emb|CAB67242.1| (AJ271079) Ycf2 protein [Oenothera elata subsp. hookeri]

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14306 | Strand | - |
| Start | 1 | End | 2029 |
| Name | OJ990211_03.9819.C53.o1.tc | Method | TBLASTX:Cress |
| Start | 108 | End | 490 |
| GI | none | Score | 40 |
| Exons | 108..161, 218..490 | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14306 | Strand | - |
| Start | 1 | End | 2029 |
| Name | OJ990211_03.9819.C53.o1.tm | Method | TBLASTX:Maize |
| Start | 221 | End | 490 |
| GI | none | Score | 330 |
| Exons | 221..490, 241..372, 347..478 | | |

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|---|---|---|---|
| Seq. No. | 6835 | Seq. ID | OJ990211_03.9819.C53 |
| Gene No. | 14306 | Strand | - |
| Start | 1 | End | 2029 |
| Name | OJ990211_03.9819.C53.o1.ts | Method | TBLASTX:Soybean |
| Start | 221 | End | 490 |
| GI | none | Score | 213 |
| Exons | 221..490 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14307 | Strand | + |
| Start | 1 | End | 1690 |
| Name | OJ990211_03.9819.C54.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1423 |
| GI | 4678261 | Score | 1193 |
| Exons | 1..156, 241..386, 480..699, 765..879, 916..1137, 1252..1423 | | |
| GI Descrip. | (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14307 | Strand | + |
| Start | 1 | End | 1690 |
| Name | OJ990211_03.9819.C54.o1.gp | Method | AAT/GAP |
| Start | 66 | End | 152 |
| GI | 82047_1.R1084 | Score | 143 |
| Exons | 66..152 | | |
| GI Descrip. | '4678261/emb\|CAB41122.1\| 4.0e-16 (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14307 | Strand | + |
| Start | 1 | End | 1690 |
| Name | OJ990211_03.9819.C54.o1.gs | Method | GENSCAN |
| Start | 66 | End | 1426 |
| GI | none | Score | .98 |
| Exons | 66..156, 241..386, 480..699, 765..873, 969..1137, 1252..1426 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14307 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 1690 |
| Name | OJ990211_03.9819.C54.o2.gp | Method | AAT/GAP |
| Start | 732 | End | 1690 |
| GI | 78815_1.R1084 | Score | 1248 |
| Exons | 732..873, 969..1137, 1252..1690 | | |
| GI Descrip. | '2982297 1.0e-43 (AF051233) KIAA0107-like protein [Picea mariana]' | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o1.tm | Method | TBLASTX:Maize |
| Start | 64 | End | 1434 |
| GI | none | Score | 146 |
| Exons | 64..156, 67..162, 68..157, 69..188, 238..384, 240..386, 293..388, 478..705, 480..701, 737..859, 762..872, 762..872, 764..874, 968..1138, 969..1145, 970..1155, 970..1155, 1250..1426, 1252..1434, 1252..1422, 1253..1429 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o2.tc | Method | TBLASTX:Cress |
| Start | 64 | End | 396 |
| GI | none | Score | 133 |
| Exons | 64..156, 67..165, 69..188, 231..386, 238..387, 262..396 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o1.ts | Method | TBLASTX:Soybean |
| Start | 64 | End | 1447 |
| GI | none | Score | 129 |
| Exons | 64..156, 67..156, 69..191, 231..386, 238..384, 293..394, 393..701, 476..631, 478..705, 481..702, 762..872, 764..871, 958..1131, 967..1134, 968..1135, 968..1141, 1252..1410, 1252..1422, 1253..1447, 1265..1429 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o1.tw | Method | TBLASTX:Wheat |
| Start | 333 | End | 624 |
| GI | none | Score | 66 |
| Exons | 333..380, 337..384, 338..394, 476..622, 477..623, 481..624 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o1.tc | Method | TBLASTX:Cress |
| Start | 471 | End | 1426 |
| GI | none | Score | 51 |
| Exons | 471..512, 481..507, 503..631, 516..701, 516..701, 517..705, 762..872, 764..871, 816..875, 967..1137, 968..1138, 968..1147, 1250..1426, 1252..1425 | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |

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|---|---|---|---|
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o3.gp | Method | AAT/GAP |
| Start | 1878 | End | 2563 |
| GI | 37294_1.R1084 | Score | 1027 |
| Exons | 1878..2206, 2350..2563 | | |
| GI Descrip. | '4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene' | | |

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|---|---|---|---|
| Seq. No. | 6836 | Seq. ID | OJ990211_03.9819.C54 |
| Gene No. | 14308 | Strand | - |
| Start | 2158 | End | 2563 |
| Name | OJ990211_03.9819.C54.o2.gs | Method | GENSCAN |
| Start | 2158 | End | 2563 |
| GI | none | Score | .96 |
| Exons | 2158..2273, 2350..2563 | | |

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|---|---|---|---|
| Seq. No. | 6837 | Seq. ID | OJ990211_03.9819.C55 |
| Gene No. | 14309 | Strand | - |
| Start | 1213 | End | 1849 |
| Name | OJ990211_03.9819.C55.o1.gs | Method | GENSCAN |
| Start | 1213 | End | 1849 |
| GI | none | Score | .49 |
| Exons | 1213..1627, 1634..1849 | | |

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|---|---|---|---|
| Seq. No. | 6838 | Seq. ID | OJ990211_03.9819.C56 |
| Gene No. | 14310 | Strand | + |
| Start | 98 | End | 734 |
| Name | OJ990211_03.9819.C56.o1.gs | Method | GENSCAN |
| Start | 98 | End | 734 |
| GI | none | Score | .83 |
| Exons | 98..197, 706..734 | | |

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|---|---|---|---|
| Seq. No. | 6838 | Seq. ID | OJ990211_03.9819.C56 |
| Gene No. | 14311 | Strand | + |
| Start | 2054 | End | 2200 |
| Name | OJ990211_03.9819.C56.o2.gs | Method | GENSCAN |
| Start | 2054 | End | 2200 |
| GI | none | Score | .53 |
| Exons | 2054..2200 | | |

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|---|---|---|---|
| Seq. No. | 6838 | Seq. ID | OJ990211_03.9819.C56 |
| Gene No. | 14312 | Strand | - |
| Start | 167 | End | 418 |
| Name | OJ990211_03.9819.C56.o1.gp | Method | AAT/GAP |
| Start | 167 | End | 418 |
| GI | 3761181 | Score | 430 |
| Exons | 167..418 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6839 | Seq. ID | OJ990211_03.9819.C57 |
| Gene No. | 14313 | Strand | + |
| Start | 344 | End | 789 |
| Name | OJ990211_03.9819.C57.o1.np | Method | AAT/NAP |
| Start | 344 | End | 789 |
| GI | 5091512 | Score | 546 |

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|---|---|---|---|
| Exons | 344..789 | | |
| GI Descrip. | (AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa] | | |
| Seq. No. | 6839 | Seq. ID | OJ990211_03.9819.C57 |
| Gene No. | 14314 | Strand | - |
| Start | 80 | End | 736 |
| Name | OJ990211_03.9819.C57.o1.gs | Method | GENSCAN |
| Start | 80 | End | 736 |
| GI | none | Score | .9 |
| Exons | 80..270, 287..736 | | |
| Seq. No. | 6840 | Seq. ID | OJ990211_03.9819.C59 |
| Gene No. | 14315 | Strand | - |
| Start | 1 | End | 505 |
| Name | OJ990211_03.9819.C59.o1.np | Method | AAT/NAP |
| Start | 1 | End | 505 |
| GI | 5091512 | Score | 288 |
| Exons | 1..505 | | |
| GI Descrip. | (AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa] | | |
| Seq. No. | 6840 | Seq. ID | OJ990211_03.9819.C59 |
| Gene No. | 14315 | Strand | - |
| Start | 1 | End | 505 |
| Name | OJ990211_03.9819.C59.o1.gs | Method | GENSCAN |
| Start | 311 | End | 505 |
| GI | none | Score | .43 |
| Exons | 311..505 | | |
| Seq. No. | 6841 | Seq. ID | OJ990211_03.9819.C62 |
| Gene No. | 14316 | Strand | - |
| Start | 225 | End | 309 |
| Name | OJ990211_03.9819.C62.o1.gp | Method | AAT/GAP |
| Start | 225 | End | 309 |
| GI | LIB3477-003-P1-K1-E9 | Score | 86 |
| Exons | 225..309 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |
| Seq. No. | 6842 | Seq. ID | OJ990211_03.9819.C63 |
| Gene No. | 14317 | Strand | |
| Start | 792 | End | 986 |
| Name | OJ990211_03.9819.C63.o1.tm | Method | TBLASTX:Maize |
| Start | 792 | End | 986 |
| GI | none | Score | 179 |
| Exons | 792..986, 797..964 | | |
| Seq. No. | 6843 | Seq. ID | OJ990211_03.9819.C67 |
| Gene No. | 14318 | Strand | + |
| Start | 1 | End | 341 |
| Name | OJ990211_03.9819.C67.o1.np | Method | AAT/NAP |
| Start | 1 | End | 341 |
| GI | 418604 | Score | 442 |
| Exons | 1..341 | | |
| GI Descrip. | HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION | | |

(ORFP)

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|---|---|---|---|
| Seq. No. | 6844 | Seq. ID | OJ990211_03.9819.C68 |
| Gene No. | 14319 | Strand | - |
| Start | 406 | End | 583 |
| Name | OJ990211_03.9819.C68.o1.tm | Method | TBLASTX:Maize |
| Start | 328 | End | 583 |
| GI | none | Score | 100 |
| Exons | 328..582, 332..583 | | |

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|---|---|---|---|
| Seq. No. | 6844 | Seq. ID | OJ990211_03.9819.C68 |
| Gene No. | 14319 | Strand | - |
| Start | 406 | End | 583 |
| Name | OJ990211_03.9819.C68.o1.gs | Method | GENSCAN |
| Start | 406 | End | 545 |
| GI | none | Score | .93 |
| Exons | 406..545 | | |

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|---|---|---|---|
| Seq. No. | 6845 | Seq. ID | OJ990211_03.9819.C69 |
| Gene No. | 14320 | Strand | - |
| Start | 1 | End | 967 |
| Name | OJ990211_03.9819.C69.o1.np | Method | AAT/NAP |
| Start | 1 | End | 967 |
| GI | 4234852 | Score | 536 |
| Exons | 1..967 | | |
| GI Descrip. | (AF082133) gag-pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6845 | Seq. ID | OJ990211_03.9819.C69 |
| Gene No. | 14320 | Strand | - |
| Start | 1 | End | 967 |
| Name | OJ990211_03.9819.C69.o1.tw | Method | TBLASTX:Wheat |
| Start | 339 | End | 665 |
| GI | none | Score | 73 |
| Exons | 339..455, 343..432, 495..665, 496..516 | | |

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|---|---|---|---|
| Seq. No. | 6845 | Seq. ID | OJ990211_03.9819.C69 |
| Gene No. | 14320 | Strand | - |
| Start | 1 | End | 967 |
| Name | OJ990211_03.9819.C69.o1.gs | Method | GENSCAN |
| Start | 348 | End | 637 |
| GI | none | Score | .89 |
| Exons | 348..637 | | |

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|---|---|---|---|
| Seq. No. | 6845 | Seq. ID | OJ990211_03.9819.C69 |
| Gene No. | 14320 | Strand | - |
| Start | 1 | End | 967 |
| Name | OJ990211_03.9819.C69.o1.ts | Method | TBLASTX:Soybean |
| Start | 442 | End | 665 |
| GI | none | Score | 82 |
| Exons | 442..591, 444..665, 459..638 | | |

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|---|---|---|---|
| Seq. No. | 6846 | Seq. ID | OJ990211_03.9819.C70 |
| Gene No. | 14321 | Strand | - |
| Start | 290 | End | 818 |
| Name | OJ990211_03.9819.C70.o1.gs | Method | GENSCAN |
| Start | 290 | End | 818 |
| GI | none | Score | .58 |

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|---|---|---|---|
| Exons | 290..549, 770..818 | | |
| Seq. No. | 6847 | Seq. ID | OJ990211_03.9819.C71 |
| Gene No. | 14322 | Strand | + |
| Start | 1742 | End | 4084 |
| Name | OJ990211_03.9819.C71.o1.np | Method | AAT/NAP |
| Start | 1742 | End | 2842 |
| GI | 4678261 | Score | 108 |
| Exons | 1742..2007, 2752..2842 | | |
| GI Descrip. | (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] | | |
| Seq. No. | 6847 | Seq. ID | OJ990211_03.9819.C71 |
| Gene No. | 14322 | Strand | + |
| Start | 1742 | End | 4084 |
| Name | OJ990211_03.9819.C71.o2.np | Method | AAT/NAP |
| Start | 2593 | End | 4084 |
| GI | 5852093 | Score | 74 |
| Exons | 2593..2619, 3967..4084 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |
| Seq. No. | 6847 | Seq. ID | OJ990211_03.9819.C71 |
| Gene No. | 14322 | Strand | + |
| Start | 1742 | End | 4084 |
| Name | OJ990211_03.9819.C71.o1.ts | Method | TBLASTX:Soybean |
| Start | 2938 | End | 3553 |
| GI | none | Score | 46 |
| Exons | 2938..3039, 3130..3195, 3141..3194, 3201..3245, 3242..3334, 3250..3333, 3402..3464, 3464..3553 | | |
| Seq. No. | 6848 | Seq. ID | OJ990211_03.9819.C73 |
| Gene No. | 14323 | Strand | + |
| Start | 165 | End | 277 |
| Name | OJ990211_03.9819.C73.o1.gs | Method | GENSCAN |
| Start | 165 | End | 277 |
| GI | none | Score | .93 |
| Exons | 165..277 | | |
| Seq. No. | 6849 | Seq. ID | OJ990211_03.9819.C75 |
| Gene No. | 14324 | Strand | + |
| Start | 1519 | End | 1616 |
| Name | OJ990211_03.9819.C75.o1.np | Method | AAT/NAP |
| Start | 1519 | End | 1616 |
| GI | 5777617 | Score | 67 |
| Exons | 1519..1616 | | |
| GI Descrip. | (AJ245900) CAA30375.1 protein [Oryza sativa] | | |
| Seq. No. | 6850 | Seq. ID | OJ990211_03.9819.C76 |
| Gene No. | 14325 | Strand | - |
| Start | 1 | End | 237 |
| Name | OJ990211_03.9819.C76.o1.np | Method | AAT/NAP |
| Start | 1 | End | 237 |
| GI | 6006864 | Score | 62 |
| Exons | 1..23, 140..237 | | |
| GI Descrip. | (AC009540) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |

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|---|---|---|---|
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.gs | Method | GENSCAN |
| Start | 133 | End | 753 |
| GI | none | Score | .46 |
| Exons | 133..753 | | |

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|---|---|---|---|
| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.np | Method | AAT/NAP |
| Start | 149 | End | 904 |
| GI | 4234854 | Score | 586 |
| Exons | 149..737, 823..904 | | |
| GI Descrip. | (AF082134) pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.tw | Method | TBLASTX:Wheat |
| Start | 243 | End | 674 |
| GI | none | Score | 158 |
| Exons | 243..485, 304..489, 514..672, | 519..674 | |

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| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.tm | Method | TBLASTX:Maize |
| Start | 373 | End | 681 |
| GI | none | Score | 276 |
| Exons | 373..681, 381..680 | | |

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| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.ts | Method | TBLASTX:Soybean |
| Start | 373 | End | 729 |
| GI | 5509260 | Score | 309 |
| Exons | 373..729, 462..725 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 6851 | Seq. ID | OJ990211_03.9819.C77 |
| Gene No. | 14326 | Strand | + |
| Start | 133 | End | 904 |
| Name | OJ990211_03.9819.C77.o1.tc | Method | TBLASTX:Cress |
| Start | 460 | End | 720 |
| GI | none | Score | 249 |
| Exons | 460..720, 462..698 | | |

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|---|---|---|---|
| Seq. No. | 6852 | Seq. ID | OJ990211_03.9819.C78 |
| Gene No. | 14327 | Strand | - |
| Start | 101 | End | 333 |
| Name | OJ990211_03.9819.C78.o1.tm | Method | TBLASTX:Maize |
| Start | 64 | End | 333 |
| GI | none | Score | 135 |
| Exons | 64..333, 77..319 | | |

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|---|---|---|---|
| Seq. No. | 6852 | Seq. ID | OJ990211_03.9819.C78 |
| Gene No. | 14327 | Strand | - |
| Start | 101 | End | 333 |
| Name | OJ990211_03.9819.C78.o1.gs | Method | GENSCAN |
| Start | 101 | End | 306 |
| GI | none | Score | .94 |
| Exons | 101..306 | | |

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|---|---|---|---|
| Seq. No. | 6853 | Seq. ID | OJ990211_03.9819.C80 |
| Gene No. | 14328 | Strand | + |
| Start | 1 | End | 364 |
| Name | OJ990211_03.9819.C80.o1.np | Method | AAT/NAP |
| Start | 1 | End | 364 |
| GI | 4234854 | Score | 237 |
| Exons | 1..364 | | |
| GI Descrip. | (AF082134) pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6854 | Seq. ID | OJ990421_02.9819.C3 |
| Gene No. | 14329 | Strand | - |
| Start | 134 | End | 1217 |
| Name | OJ990421_02.9819.C3.o1.gs | Method | GENSCAN |
| Start | 134 | End | 1217 |
| GI | none | Score | .63 |
| Exons | 134..246, 1093..1217 | | |

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|---|---|---|---|
| Seq. No. | 6855 | Seq. ID | OJ990421_02.9819.C4 |
| Gene No. | 14330 | Strand | + |
| Start | 460 | End | 1181 |
| Name | OJ990421_02.9819.C4.o1.gs | Method | GENSCAN |
| Start | 460 | End | 1181 |
| GI | none | Score | .43 |
| Exons | 460..529, 1000..1181 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14331 | Strand | + |
| Start | 9156 | End | 12607 |
| Name | OJ990421_02.9819.C5.o3.gs | Method | GENSCAN |
| Start | 9156 | End | 12607 |
| GI | none | Score | .57 |
| Exons | 9156..9228, 9345..9487, 10171..10332, 11777..11808, 11912..11957, 12212..12395, 12594..12607 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14332 | Strand | + |
| Start | 14637 | End | 18085 |
| Name | OJ990421_02.9819.C5.o5.gs | Method | GENSCAN |
| Start | 14637 | End | 18085 |
| GI | none | Score | .65 |
| Exons | 14637..14713, 15318..15527, 16030..16088, 16723..17009, 17133..17182, 17290..17453, 17653..17763, 18012..18085 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14333 | Strand | + |
| Start | 18663 | End | 19588 |
| Name | OJ990421_02.9819.C5.o1.gp | Method | AAT/GAP |
| Start | 18575 | End | 19588 |
| GI | 356_1.R1084 | Score | 1432 |

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|---|---|---|---|
| Exons | 18575..18788, 18843..18929, 19017..19588 | | |
| GI Descrip. | '1399913 1.0e-42 (U60097) Oryza sativa dehydrin mRNA, complete cds [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14333 | Strand | + |
| Start | 18663 | End | 19588 |
| Name | OJ990421_02.9819.C5.o4.np | Method | AAT/NAP |
| Start | 18663 | End | 19265 |
| GI | 1399913 | Score | 637 |
| Exons | 18663..18788, 18843..18929, 19017..19265 | | |
| GI Descrip. | (U60097) dehydrin [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14333 | Strand | + |
| Start | 18663 | End | 19588 |
| Name | OJ990421_02.9819.C5.o6.gs | Method | GENSCAN |
| Start | 18663 | End | 19268 |
| GI | none | Score | .9 |
| Exons | 18663..18929, 19017..19268 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14334 | Strand | + |
| Start | 19983 | End | 22550 |
| Name | OJ990421_02.9819.C5.o7.gs | Method | GENSCAN |
| Start | 19983 | End | 22550 |
| GI | none | Score | .41 |
| Exons | 19983..19992, 22357..22550 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14335 | Strand | + |
| Start | 25220 | End | 32058 |
| Name | OJ990421_02.9819.C5.o6.np | Method | AAT/NAP |
| Start | 25220 | End | 25806 |
| GI | 118480 | Score | 845 |
| Exons | 25220..25453, 25549..25806 | | |
| GI Descrip. | DEHYDRIN RAB 16B gi\|100706\|pir\|\|JH0324 rab 16B protein - rice gi\|629802\|pir\|\|S11846 rab16B protein - rice | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14335 | Strand | + |
| Start | 25220 | End | 32058 |
| Name | OJ990421_02.9819.C5.o9.gs | Method | GENSCAN |
| Start | 25220 | End | 31272 |
| GI | none | Score | .58 |
| Exons | 25220..25453, 25549..25732, 26668..26729, 28427..28681, 29497..29834, 29988..30282, 30423..30903, 30989..31050, 31129..31272 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14335 | Strand | + |
| Start | 25220 | End | 32058 |
| Name | OJ990421_02.9819.C5.o7.np | Method | AAT/NAP |
| Start | 28805 | End | 31716 |
| GI | 6815107 | Score | 725 |
| Exons | 28805..29949, 30064..30289, 31625..31716 | | |
| GI Descrip. | (AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC | | |

clone F20D10;hypothetical protein (AL035538) [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14335 | Strand | + |
| Start | 25220 | End | 32058 |
| Name | OJ990421_02.9819.C5.o8.np | Method | AAT/NAP |
| Start | 29312 | End | 32058 |
| GI | 4467123 | Score | 525 |
| Exons | 29312..30322, 30359..30466, 30501..30713, 32035..32058 | | |
| GI Descrip. | (AL035538) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14336 | Strand | + |
| Start | 33662 | End | 34251 |
| Name | OJ990421_02.9819.C5.o11.gs | Method | GENSCAN |
| Start | 33662 | End | 34251 |
| GI | none | Score | 1 |
| Exons | 33662..33889, 33985..34251 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14336 | Strand | + |
| Start | 33662 | End | 34251 |
| Name | OJ990421_02.9819.C5.o9.np | Method | AAT/NAP |
| Start | 33662 | End | 34248 |
| GI | 118481 | Score | 845 |
| Exons | 33662..33889, 33985..34248 | | |
| GI Descrip. | DEHYDRIN RAB 16C gi\|100707\|pir\|\|JH0325 rab 16C protein - rice gi\|629803\|pir\|\|S11847 rab16C protein - rice | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14337 | Strand | + |
| Start | 40278 | End | 41663 |
| Name | OJ990421_02.9819.C5.o13.gs | Method | GENSCAN |
| Start | 40278 | End | 41663 |
| GI | none | Score | .94 |
| Exons | 40278..40282, 40436..40738, 40796..41006, 41394..41663 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14337 | Strand | + |
| Start | 40278 | End | 41663 |
| Name | OJ990421_02.9819.C5.o12.np | Method | AAT/NAP |
| Start | 40821 | End | 41660 |
| GI | 118482 | Score | 762 |
| Exons | 40821..41006, 41394..41660 | | |
| GI Descrip. | DEHYDRIN RAB 16D gi\|100708\|pir\|\|JH0326 rab 16D protein - rice gi\|629804\|pir\|\|S11848 rab16D protein - rice | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14338 | Strand | - |
| Start | 2142 | End | 6632 |
| Name | OJ990421_02.9819.C5.o2.gs | Method | GENSCAN |
| Start | 2142 | End | 6632 |
| GI | none | Score | .54 |
| Exons | 2142..2162, 2739..3013, 5247..5414, 6545..6632 | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14338 | Strand | - |

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|---|---|---|---|
| Start | 2142 | End | 6632 |
| Name | OJ990421_02.9819.C5.o1.np | Method | AAT/NAP |
| Start | 2731 | End | 3040 |
| GI | 6539588 | Score | 306 |
| Exons | 2731..3040 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14339 | Strand | - |
| Start | 14094 | End | 14344 |
| Name | OJ990421_02.9819.C5.o4.gs | Method | GENSCAN |
| Start | 14094 | End | 14344 |
| GI | none | Score | .68 |
| Exons | 14094..14154, 14166..14344 | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14340 | Strand | - |
| Start | 21900 | End | 22558 |
| Name | OJ990421_02.9819.C5.o5.np | Method | AAT/NAP |
| Start | 21900 | End | 22558 |
| GI | 1168749 | Score | 173 |
| Exons | 21900..21955, 22178..22558 | | |
| GI Descrip. | CALMODULIN-6 gi\|1076298\|pir\|\|S35187 calmodulin 6 - Arabidopsis thaliana gi\|16227\|emb\|CAA78059\| (Z12024) calmodulin [Arabidopsis thaliana] | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14341 | Strand | - |
| Start | 24216 | End | 24757 |
| Name | OJ990421_02.9819.C5.o8.gs | Method | GENSCAN |
| Start | 24216 | End | 24757 |
| GI | none | Score | .67 |
| Exons | 24216..24344, 24560..24757 | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14342 | Strand | - |
| Start | 31906 | End | 32887 |
| Name | OJ990421_02.9819.C5.o10.gs | Method | GENSCAN |
| Start | 31906 | End | 32887 |
| GI | none | Score | .72 |
| Exons | 31906..31984, 32327..32594, 32824..32887 | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14343 | Strand | - |
| Start | 34862 | End | 39182 |
| Name | OJ990421_02.9819.C5.o12.gs | Method | GENSCAN |
| Start | 34862 | End | 39182 |
| GI | none | Score | .59 |
| Exons | 34862..35119, 35391..35501, 36356..36531, 37115..38002, 38124..38267, 38635..39085, 39090..39182 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 8589 | End | 39194 |
| GI | none | Score | 81 |

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|---|---|---|---|
| Exons | 8589..8708, 8657..8686, 8688..8852, 8690..8779, 38845..39054, 38849..39070, 38862..39056, 39081..39194, 39139..39180 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 9138 | End | 38626 |
| GI | none | Score | 80 |
| Exons | 9138..9242, 38212..38427, 38213..38425, 38423..38626, 38424..38621 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 9413 | End | 38782 |
| GI | none | Score | 70 |
| Exons | 9413..9475, 38074..38172, 38128..38319, 38293..38427, 38423..38782 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 9611 | End | 37934 |
| GI | none | Score | 165 |
| Exons | 9611..9826, 9634..9825, 9853..9978, 9882..9926, 10000..10314, 10023..10151, 37050..37934, 37092..37451, 37474..37581, 37717..37911 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 9659 | End | 37886 |
| GI | none | Score | 172 |
| Exons | 9659..9829, 9677..9832, 9714..9848, 9831..9965, 9853..9987, 9853..9978, 9860..9991, 37572..37886, 37666..37860, 37676..37864 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o6.tw | Method | TBLASTX:Wheat |
| Start | 10018 | End | 37571 |
| GI | none | Score | 103 |
| Exons | 10018..10167, 10159..10239, 37296..37448, 37453..37569, 37458..37571 | | |
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 10308 | End | 37367 |
| GI | none | Score | 82 |
| Exons | 10308..10409, 10451..10549, 36839..36943, 36867..36941, 37050..37241, 37051..37185, 37311..37367 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 10484 | End | 37045 |
| GI | none | Score | 70 |
| Exons | 10484..10549, 36797..37045, 36798..36941 | | |

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| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 10690 | End | 36763 |
| GI | none | Score | 188 |
| Exons | 10690..10881, 10770..10874, 10896..11033, 11077..11127, 11115..11162, 36308..36364, 36395..36763, 36408..36755, 36506..36760 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 10887 | End | 36565 |
| GI | none | Score | 66 |
| Exons | 10887..11033, 11032..11127, 11115..11237, 36202..36300, 36204..36311, 36305..36565, 36318..36356 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 11163 | End | 36303 |
| GI | none | Score | 45 |
| Exons | 11163..11216, 11209..11289, 35974..36090, 36087..36146, 36147..36296, 36153..36302, 36181..36303 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 29397 | End | 29778 |
| GI | none | Score | 284 |
| Exons | 29397..29741, 29398..29778 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 29421 | End | 29949 |
| GI | none | Score | 90 |
| Exons | 29421..29576, 29422..29949, 29422..29826 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o5.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 29593 | End | 30009 |
| GI | none | Score | 213 |
| Exons | 29593..29940, 29622..29768, 29947..30009 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o13.np | Method | AAT/NAP |
| Start | 41519 | End | 46030 |
| GI | 4584539 | Score | 65 |
| Exons | 41519..41626, 42710..42938, 43897..44083, 44987..45106, 45471..45535, 45990..46030 | | |
| GI Descrip. | (AL049608) extensin-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o3.gp | Method | AAT/GAP |
| Start | 41808 | End | 41911 |
| GI | uC-osroM202007a03a1 | Score | 192 |
| Exons | 41808..41911 | | |
| GI Descrip. | '20315/emb\|X52424\|OSRAB16D 4.0e-47 O.sativa DNA for rab 16D gene' | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o14.gs | Method | GENSCAN |
| Start | 43648 | End | 45853 |
| GI | none | Score | .56 |
| Exons | 43648..43827, 43917..44049, 44736..44836, 44896..45013, 45618..45853 | | |

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|---|---|---|---|
| Seq. No. | 6856 | Seq. ID | OJ990421_02.9819.C5 |
| Gene No. | 14344 | Strand | - |
| Start | 41519 | End | 46030 |
| Name | OJ990421_02.9819.C5.o4.gp | Method | AAT/GAP |
| Start | 44541 | End | 44960 |
| GI | LIB3477-003-P1-K1-E9 | Score | 139 |
| Exons | 44541..44644, 44928..44960 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6857 | Seq. ID | OJ990421_02.9819.C8 |
| Gene No. | 14345 | Strand | + |
| Start | 1 | End | 750 |
| Name | OJ990421_02.9819.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 750 |
| GI | 4582447 | Score | 116 |
| Exons | 1..32, 450..750 | | |
| GI Descrip. | (AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6857 | Seq. ID | OJ990421_02.9819.C8 |
| Gene No. | 14345 | Strand | + |
| Start | 1 | End | 750 |

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|---|---|---|---|
| Name | OJ990421_02.9819.C8.o1.gs | Method | GENSCAN |
| Start | 273 | End | 646 |
| GI | none | Score | .51 |
| Exons | 273..345, 462..646 | | |

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|---|---|---|---|
| Seq. No. | 6858 | Seq. ID | OJ990421_02.9819.C9 |
| Gene No. | 14346 | Strand | + |
| Start | 1847 | End | 2771 |
| Name | OJ990421_02.9819.C9.o1.gs | Method | GENSCAN |
| Start | 1847 | End | 2771 |
| GI | none | Score | .69 |
| Exons | 1847..1939, 1994..2286, 2633..2771 | | |

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|---|---|---|---|
| Seq. No. | 6858 | Seq. ID | OJ990421_02.9819.C9 |
| Gene No. | 14347 | Strand | - |
| Start | 574 | End | 2831 |
| Name | OJ990421_02.9819.C9.o1.np | Method | AAT/NAP |
| Start | 574 | End | 2831 |
| GI | 4538984 | Score | 74 |
| Exons | 574..780, 2776..2831 | | |
| GI Descrip. | (AL049487) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6859 | Seq. ID | OJ990421_02.9819.C11 |
| Gene No. | 14348 | Strand | - |
| Start | 721 | End | 3334 |
| Name | OJ990421_02.9819.C11.o1.gs | Method | GENSCAN |
| Start | 721 | End | 3334 |
| GI | none | Score | .56 |
| Exons | 721..804, 2534..2648, 3222..3334 | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14349 | Strand | + |
| Start | 912 | End | 1157 |
| Name | OJ990421_02.9819.C12.o1.gp | Method | AAT/GAP |
| Start | 912 | End | 1157 |
| GI | 3761181 | Score | 404 |
| Exons | 912..1157 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14350 | Strand | + |
| Start | 1187 | End | 5264 |
| Name | OJ990421_02.9819.C12.o1.gs | Method | GENSCAN |
| Start | 1187 | End | 2870 |
| GI | none | Score | .54 |
| Exons | 1187..1244, 1249..1388, 1434..1579, 2026..2870 | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14350 | Strand | + |
| Start | 1187 | End | 5264 |
| Name | OJ990421_02.9819.C12.o1.np | Method | AAT/NAP |
| Start | 2152 | End | 5264 |
| GI | 5091513 | Score | 948 |
| Exons | 2152..2843, 3595..3961, 4009..4346, 5065..5264 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14351 | Strand | + |
| Start | 6239 | End | 6864 |
| Name | OJ990421_02.9819.C12.o3.gs | Method | GENSCAN |
| Start | 6239 | End | 6864 |
| GI | none | Score | .62 |
| Exons | 6239..6411, 6849..6864 | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14352 | Strand | - |
| Start | 3765 | End | 4112 |
| Name | OJ990421_02.9819.C12.o2.gs | Method | GENSCAN |
| Start | 3765 | End | 4112 |
| GI | none | Score | .45 |
| Exons | 3765..3968, 3987..4112 | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14353 | Strand | - |
| Start | 7918 | End | 8013 |
| Name | OJ990421_02.9819.C12.o2.gp | Method | AAT/GAP |
| Start | 7918 | End | 8013 |
| GI | LIB3477-003-P1-K1-E9 | Score | 89 |
| Exons | 7918..8013 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6860 | Seq. ID | OJ990421_02.9819.C12 |
| Gene No. | 14354 | Strand | - |
| Start | 8507 | End | 9596 |
| Name | OJ990421_02.9819.C12.o4.gs | Method | GENSCAN |
| Start | 8507 | End | 9596 |
| GI | none | Score | .54 |
| Exons | 8507..8616, 9449..9596 | | |

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|---|---|---|---|
| Seq. No. | 6861 | Seq. ID | OJ990421_02.9819.C13 |
| Gene No. | 14355 | Strand | + |
| Start | 58 | End | 510 |
| Name | OJ990421_02.9819.C13.o1.gp | Method | AAT/GAP |
| Start | 58 | End | 510 |
| GI | 2131_1.R1084 | Score | 725 |
| Exons | 58..510 | | |
| GI Descrip. | '417745/sp\|P32112\|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]' | | |

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|---|---|---|---|
| Seq. No. | 6861 | Seq. ID | OJ990421_02.9819.C13 |
| Gene No. | 14356 | Strand | - |
| Start | 84 | End | 235 |
| Name | OJ990421_02.9819.C13.o1.gs | Method | GENSCAN |
| Start | 84 | End | 235 |
| GI | none | Score | .91 |
| Exons | 84..235 | | |

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|---|---|---|---|
| Seq. No. | 6862 | Seq. ID | OJ990421_02.9819.C14 |
| Gene No. | 14357 | Strand | + |

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|---|---|---|---|
| Start | 1238 | End | 3115 |
| Name | OJ990421_02.9819.C14.o1.gs | Method | GENSCAN |
| Start | 1238 | End | 3115 |
| GI | none | Score | .65 |
| Exons | 1238..1300, 1543..1780, 2870..2992, 3087..3115 | | |

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|---|---|---|---|
| Seq. No. | 6862 | Seq. ID | OJ990421_02.9819.C14 |
| Gene No. | 14358 | Strand | - |
| Start | 1 | End | 5534 |
| Name | OJ990421_02.9819.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5534 |
| GI | 5430752 | Score | 95 |
| Exons | 1..60, 3749..3823, 4356..4527, 5201..5534 | | |
| GI Descrip. | (AC007504) Hypothetical Protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6862 | Seq. ID | OJ990421_02.9819.C14 |
| Gene No. | 14358 | Strand | - |
| Start | 1 | End | 5534 |
| Name | OJ990421_02.9819.C14.o2.gs | Method | GENSCAN |
| Start | 4390 | End | 5375 |
| GI | none | Score | .66 |
| Exons | 4390..4545, 5194..5375 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14359 | Strand | + |
| Start | 331 | End | 9122 |
| Name | OJ990421_02.9819.C15.o1.gs | Method | GENSCAN |
| Start | 331 | End | 9122 |
| GI | none | Score | .71 |
| Exons | 331..446, 1218..1257, 4415..4664, 4755..4829, 5762..5851, 5946..6021, 6126..6204, 6329..6463, 6642..6740, 6966..7081, 7187..7289, 7496..7588, 7755..7918, 8021..8399, 9021..9122 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14359 | Strand | + |
| Start | 331 | End | 9122 |
| Name | OJ990421_02.9819.C15.o1.np | Method | AAT/NAP |
| Start | 4518 | End | 8550 |
| GI | 4455240 | Score | 482 |
| Exons | 4518..4634, 4725..4829, 5218..5252, 5831..6021, 6120..6204, 6335..6463, 6642..6740, 7143..7304, 7502..7588, 7686..7948, 8293..8550 | | |
| GI Descrip. | (AL035523) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14360 | Strand | - |
| Start | 9716 | End | 20522 |
| Name | OJ990421_02.9819.C15.o2.gs | Method | GENSCAN |
| Start | 9716 | End | 20522 |
| GI | none | Score | .7 |
| Exons | 9716..9929, 12148..12269, 12789..12874, 13705..14813, 15060..15906, 16093..16867, 16874..17262, 17321..17531, 17877..17996, 18105..18410, 20430..20522 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14360 | Strand | - |
| Start | 9716 | End | 20522 |

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|---|---|---|---|
| Name | OJ990421_02.9819.C15.o2.np | Method | AAT/NAP |
| Start | 13453 | End | 19427 |
| GI | 6466937 | Score | 2327 |
| Exons | 13453..17182, 17214..17797, 19399..19427 | | |
| GI Descrip. | (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o9.tm | Method | TBLASTX:Maize |
| Start | 4604 | End | 6686 |
| GI | none | Score | 103 |
| Exons | 4604..4690, 4760..4828, 4762..4866, 5217..5255, 5373..5417, 5760..5852, 5761..5850, 5947..6018, 5948..6007, 6089..6109, 6126..6206, 6130..6207, 6329..6460, 6639..6686 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o5.ts | Method | TBLASTX:Soybean |
| Start | 6963 | End | 7289 |
| GI | none | Score | 81 |
| Exons | 6963..7079, 7136..7270, 7146..7289 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o7.tm | Method | TBLASTX:Maize |
| Start | 7140 | End | 7919 |
| GI | none | Score | 135 |
| Exons | 7140..7289, 7501..7587, 7502..7588, 7722..7919, 7814..7918 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o6.ts | Method | TBLASTX:Soybean |
| Start | 7495 | End | 7916 |
| GI | none | Score | 90 |
| Exons | 7495..7584, 7499..7585, 7737..7916, 7814..7912 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 7749 | End | 7919 |
| GI | none | Score | 203 |
| Exons | 7749..7919, 7814..7918 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o8.tm | Method | TBLASTX:Maize |
| Start | 11532 | End | 11823 |
| GI | none | Score | 177 |
| Exons | 11532..11753, 11540..11728, 11749..11823 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o4.tm | Method | TBLASTX:Maize |
| Start | 13445 | End | 14122 |
| GI | none | Score | 43 |
| Exons | 13445..13504, 13452..13481, 13568..13624, 13568..13633, 13631..14122, 13872..14033 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o5.tw | Method | TBLASTX:Wheat |
| Start | 13802 | End | 14045 |
| GI | none | Score | 130 |
| Exons | 13802..14044, 13805..14005, 13812..14045 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 14169 | End | 14806 |
| GI | none | Score | 201 |
| Exons | 14169..14681, 14171..14683, 14171..14806, 14172..14804 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o4.tw | Method | TBLASTX:Wheat |
| Start | 14171 | End | 14551 |
| GI | none | Score | 70 |
| Exons | 14171..14551, 14172..14375, 14300..14431, 14397..14462 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 14399 | End | 14782 |
| GI | none | Score | 153 |
| Exons | 14399..14782, 14451..14711 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o2.tw | Method | TBLASTX:Wheat |
| Start | 14639 | End | 15037 |
| GI | none | Score | 125 |
| Exons | 14639..15037, 14640..14906 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o6.tm | Method | TBLASTX:Maize |
| Start | 14807 | End | 15208 |
| GI | none | Score | 82 |
| Exons | 14807..15037, 15059..15208, 15060..15206 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o2.tm | Method | TBLASTX:Maize |
| Start | 15210 | End | 15764 |
| GI | none | Score | 273 |
| Exons | 15210..15593, 15233..15760, 15527..15727, 15660..15764 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o3.ts | Method | TBLASTX:Soybean |
| Start | 15230 | End | 15472 |
| GI | none | Score | 92 |
| Exons | 15230..15472, 15333..15458 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o3.tw | Method | TBLASTX:Wheat |
| Start | 15383 | End | 15781 |
| GI | none | Score | 164 |
| Exons | 15383..15781, 15417..15773 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o2.ts | Method | TBLASTX:Soybean |
| Start | 15497 | End | 15856 |
| GI | none | Score | 113 |
| Exons | 15497..15856, 15498..15839 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o3.tm | Method | TBLASTX:Maize |
| Start | 15779 | End | 16255 |
| GI | none | Score | 213 |
| Exons | 15779..16255, 15780..16028, 15782..16252 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 15833 | End | 16315 |
| GI | none | Score | 182 |
| Exons | 15833..16315, 15867..16220 | | |

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| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o4.ts | Method | TBLASTX:Soybean |
| Start | 15965 | End | 16279 |
| GI | none | Score | 197 |
| Exons | 15965..16279 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |

| | | | |
|---|---|---|---|
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o5.tm | Method | TBLASTX:Maize |
| Start | 16304 | End | 17167 |
| GI | none | Score | 110 |
| Exons | 16304..16438, 16517..16600, 16700..16936, 17054..17167 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o3.gs | Method | GENSCAN |
| Start | 22939 | End | 26055 |
| GI | none | Score | .77 |
| Exons | 22939..23113, 26018..26055 | | |

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|---|---|---|---|
| Seq. No. | 6863 | Seq. ID | OJ990421_02.9819.C15 |
| Gene No. | 14361 | Strand | - |
| Start | 22939 | End | 26055 |
| Name | OJ990421_02.9819.C15.o1.gp | Method | AAT/GAP |
| Start | 24720 | End | 25764 |
| GI | 4107145 | Score | 1955 |
| Exons | 24720..25764 | | |
| GI Descrip. | 20160/emb\|X52623\|OS4CL 2.0e-36 Rice 4-CL gene for 4-coumarate-CoA ligase (EC 6.2.1.12) | | |

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|---|---|---|---|
| Seq. No. | 6864 | Seq. ID | OJ990421_02.9819.C16 |
| Gene No. | 14362 | Strand | + |
| Start | 2712 | End | 7368 |
| Name | OJ990421_02.9819.C16.o1.gs | Method | GENSCAN |
| Start | 2712 | End | 7368 |
| GI | none | Score | .5 |
| Exons | 2712..2790, 4843..4953, 5018..5118, 5153..5181, 5352..5424, 7195..7368 | | |

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|---|---|---|---|
| Seq. No. | 6864 | Seq. ID | OJ990421_02.9819.C16 |
| Gene No. | 14362 | Strand | + |
| Start | 2712 | End | 7368 |
| Name | OJ990421_02.9819.C16.o1.np | Method | AAT/NAP |
| Start | 4836 | End | 6501 |
| GI | 6539588 | Score | 167 |
| Exons | 4836..5118, 6474..6501 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6865 | Seq. ID | OJ990421_03.9819.C1 |
| Gene No. | 14363 | Strand | - |
| Start | 646 | End | 1007 |
| Name | OJ990421_03.9819.C1.o1.gp | Method | AAT/GAP |
| Start | 646 | End | 1007 |
| GI | none | Score | 662 |
| Exons | 646..1007 | | |

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|---|---|---|---|
| Seq. No. | 6865 | Seq. ID | OJ990421_03.9819.C1 |
| Gene No. | 14364 | Strand | - |
| Start | 949 | End | 1763 |
| Name | OJ990421_03.9819.C1.o1.np | Method | AAT/NAP |
| Start | 949 | End | 1763 |
| GI | 6553884 | Score | 89 |

Exons 949..1149, 1718..1763
GI Descrip. (AC012563) hypothetical protein [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 6866 | Seq. ID | OJ990421_03.9819.C2 |
| Gene No. | 14365 | Strand | + |
| Start | 1 | End | 956 |
| Name | OJ990421_03.9819.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 956 |
| GI | 6907086 | Score | 828 |
| Exons | 1..437, 495..888, 924..956 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6867 | Seq. ID | OJ990421_03.9819.C3 |
| Gene No. | 14366 | Strand | + |
| Start | 138 | End | 446 |
| Name | OJ990421_03.9819.C3.o1.gs | Method | GENSCAN |
| Start | 138 | End | 446 |
| GI | none | Score | .85 |
| Exons | 138..446 | | |

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|---|---|---|---|
| Seq. No. | 6868 | Seq. ID | OJ990421_03.9819.C4 |
| Gene No. | 14367 | Strand | - |
| Start | 608 | End | 684 |
| Name | OJ990421_03.9819.C4.o1.gs | Method | GENSCAN |
| Start | 608 | End | 684 |
| GI | none | Score | .56 |
| Exons | 608..684 | | |

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|---|---|---|---|
| Seq. No. | 6869 | Seq. ID | OJ990421_03.9819.C8 |
| Gene No. | 14368 | Strand | - |
| Start | 766 | End | 1035 |
| Name | OJ990421_03.9819.C8.o1.gs | Method | GENSCAN |
| Start | 766 | End | 1035 |
| GI | none | Score | .97 |
| Exons | 766..860, 897..1035 | | |

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|---|---|---|---|
| Seq. No. | 6870 | Seq. ID | OJ990421_03.9819.C11 |
| Gene No. | 14369 | Strand | + |
| Start | 1 | End | 841 |
| Name | OJ990421_03.9819.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 841 |
| GI | 5441880 | Score | 140 |
| Exons | 1..57, 417..841 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6870 | Seq. ID | OJ990421_03.9819.C11 |
| Gene No. | 14369 | Strand | + |
| Start | 1 | End | 841 |
| Name | OJ990421_03.9819.C11.o1.gs | Method | GENSCAN |
| Start | 188 | End | 336 |
| GI | none | Score | .43 |
| Exons | 188..336 | | |

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|---|---|---|---|
| Seq. No. | 6871 | Seq. ID | OJ990421_03.9819.C15 |
| Gene No. | 14370 | Strand | + |

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|---|---|---|---|
| Start | 327 | End | 599 |
| Name | OJ990421_03.9819.C15.o1.gs | Method | GENSCAN |
| Start | 327 | End | 599 |
| GI | none | Score | .61 |
| Exons | 327..599 | | |

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|---|---|---|---|
| Seq. No. | 6872 | Seq. ID | OJ990421_03.9819.C16 |
| Gene No. | 14371 | Strand | + |
| Start | 1 | End | 740 |
| Name | OJ990421_03.9819.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 740 |
| GI | 2499115 | Score | 114 |
| Exons | 1..150, 691..740 | | |
| GI Descrip. | VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG gi\|1835788 (U86662) VPS41 [Lycopersicon esculentum] | | |

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| Seq. No. | 6873 | Seq. ID | OJ990421_03.9819.C17 |
| Gene No. | 14372 | Strand | + |
| Start | 1 | End | 1112 |
| Name | OJ990421_03.9819.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 432 |
| GI | 6815099 | Score | 79 |
| Exons | 1..118, 304..432 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6873 | Seq. ID | OJ990421_03.9819.C17 |
| Gene No. | 14372 | Strand | + |
| Start | 1 | End | 1112 |
| Name | OJ990421_03.9819.C17.o1.gs | Method | GENSCAN |
| Start | 102 | End | 1112 |
| GI | none | Score | .41 |
| Exons | 102..303, 897..951, 1055..1112 | | |

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|---|---|---|---|
| Seq. No. | 6873 | Seq. ID | OJ990421_03.9819.C17 |
| Gene No. | 14373 | Strand | + |
| Start | 5045 | End | 5336 |
| Name | OJ990421_03.9819.C17.o3.np | Method | AAT/NAP |
| Start | 5045 | End | 5336 |
| GI | 6721512 | Score | 96 |
| Exons | 5045..5175, 5203..5336 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6873 | Seq. ID | OJ990421_03.9819.C17 |
| Gene No. | 14374 | Strand | - |
| Start | 2774 | End | 4222 |
| Name | OJ990421_03.9819.C17.o2.np | Method | AAT/NAP |
| Start | 2774 | End | 4222 |
| GI | 6478216 | Score | 226 |
| Exons | 2774..3000, 3351..3524, 4153..4222 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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|---|---|---|---|
| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14375 | Strand | + |
| Start | 904 | End | 1396 |
| Name | OJ990421_03.9819.C18.o1.gs | Method | GENSCAN |
| Start | 904 | End | 1396 |

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|---|---|---|---|
| GI | none | Score | .94 |
| Exons | 904..913, 1323..1396 | | |

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|---|---|---|---|
| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14376 | Strand | + |
| Start | 6909 | End | 9304 |
| Name | OJ990421_03.9819.C18.o4.np | Method | AAT/NAP |
| Start | 6868 | End | 9050 |
| GI | 6721561 | Score | 1169 |
| Exons | 6868..6902, 7865..8091, 8162..8220, 8286..9050 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14376 | Strand | + |
| Start | 6909 | End | 9304 |
| Name | OJ990421_03.9819.C18.o3.gs | Method | GENSCAN |
| Start | 6909 | End | 9304 |
| GI | none | Score | .44 |
| Exons | 6909..7262, 7374..7542, 7708..7805, 7945..8091, 8162..8220, 8514..8989, 9188..9304 | | |

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|---|---|---|---|
| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14376 | Strand | + |
| Start | 6909 | End | 9304 |
| Name | OJ990421_03.9819.C18.o3.np | Method | AAT/NAP |
| Start | 6909 | End | 8947 |
| GI | 6721558 | Score | 250 |
| Exons | 6909..7008, 7708..7842, 8476..8559, 8816..8947 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14377 | Strand | - |
| Start | 1 | End | 840 |
| Name | OJ990421_03.9819.C18.o1.np | Method | AAT/NAP |
| Start | 1 | End | 146 |
| GI | 6069659 | Score | 121 |
| Exons | 1..146 | | |
| GI Descrip. | (AP000616) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14377 | Strand | - |
| Start | 1 | End | 840 |
| Name | OJ990421_03.9819.C18.o2.np | Method | AAT/NAP |
| Start | 1 | End | 840 |
| GI | 6907088 | Score | 540 |
| Exons | 1..122, 286..526, 703..840 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6874 | Seq. ID | OJ990421_03.9819.C18 |
| Gene No. | 14378 | Strand | - |
| Start | 4872 | End | 6286 |

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|---|---|---|---|
| Name | OJ990421_03.9819.C18.o2.gs | Method | GENSCAN |
| Start | 4872 | End | 6286 |
| GI | none | Score | .89 |
| Exons | 4872..4975, 5050..5303, 5380..5522, 6263..6286 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14379 | Strand | + |
| Start | 127 | End | 644 |
| Name | OJ990421_03.9819.C19.o1.gs | Method | GENSCAN |
| Start | 127 | End | 644 |
| GI | none | Score | .43 |
| Exons | 127..644 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14380 | Strand | + |
| Start | 11014 | End | 11232 |
| Name | OJ990421_03.9819.C19.o4.gs | Method | GENSCAN |
| Start | 11014 | End | 11232 |
| GI | none | Score | .83 |
| Exons | 11014..11232 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14381 | Strand | - |
| Start | 1258 | End | 4379 |
| Name | OJ990421_03.9819.C19.o2.gs | Method | GENSCAN |
| Start | 1258 | End | 4190 |
| GI | none | Score | .62 |
| Exons | 1258..1505, 1608..1997, 2274..2647, 2726..3336, 3363..3881, 3969..4190 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14381 | Strand | - |
| Start | 1258 | End | 4379 |
| Name | OJ990421_03.9819.C19.o1.np | Method | AAT/NAP |
| Start | 1261 | End | 4379 |
| GI | 5902445 | Score | 2990 |
| Exons | 1261..2505, 2545..4379 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o3.tw | Method | TBLASTX:Wheat |
| Start | 1270 | End | 1879 |
| GI | none | Score | 77 |
| Exons | 1270..1401, 1426..1875, 1622..1729, 1622..1879, 1775..1879 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o5.tw | Method | TBLASTX:Wheat |
| Start | 2002 | End | 2385 |
| GI | none | Score | 173 |
| Exons | 2002..2385, 2003..2377 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |

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|---|---|---|---|
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o2.tm | Method | TBLASTX:Maize |
| Start | 2080 | End | 2385 |
| GI | none | Score | 153 |
| Exons | 2080..2385, 2081..2368 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o9.tw | Method | TBLASTX:Wheat |
| Start | 2527 | End | 2848 |
| GI | none | Score | 80 |
| Exons | 2527..2847, 2528..2848 | | |

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| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o6.tw | Method | TBLASTX:Wheat |
| Start | 2887 | End | 3343 |
| GI | none | Score | 40 |
| Exons | 2887..2952, 2887..3060, 2939..3031, 3068..3343, 3070..3330 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o1.ts | Method | TBLASTX:Soybean |
| Start | 3384 | End | 3809 |
| GI | none | Score | 80 |
| Exons | 3384..3809, 3625..3750 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o2.tw | Method | TBLASTX:Wheat |
| Start | 3439 | End | 3863 |
| GI | none | Score | 262 |
| Exons | 3439..3753, 3441..3863, 3459..3860 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o3.tm | Method | TBLASTX:Maize |
| Start | 3537 | End | 3920 |
| GI | none | Score | 114 |
| Exons | 3537..3920, 3538..3753 | | |

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| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 3948 | End | 4304 |
| GI | none | Score | 227 |
| Exons | 3948..4304, 3949..4242, 3999..4250 | | |

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| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |

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|---|---|---|---|
| Name | OJ990421_03.9819.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 3978 | End | 4434 |
| GI | none | Score | 389 |
| Exons | 3978..4433, 3979..4434 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o3.ts | Method | TBLASTX:Soybean |
| Start | 4029 | End | 4394 |
| GI | none | Score | 99 |
| Exons | 4029..4163, 4170..4394 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o3.gs | Method | GENSCAN |
| Start | 4443 | End | 9540 |
| GI | none | Score | .59 |
| Exons | 4443..5041, 5147..5860, 6103..6202, 6218..6488, 6583..7268, 7440..7605, 7767..8058, 8060..8138, 8422..8599, 9200..9281, 9331..9464, 9473..9540 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o2.np | Method | AAT/NAP |
| Start | 4446 | End | 8950 |
| GI | 5902444 | Score | 1025 |
| Exons | 4446..6108, 6445..6547, 8920..8950 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o4.tw | Method | TBLASTX:Wheat |
| Start | 4626 | End | 5081 |
| GI | none | Score | 129 |
| Exons | 4626..4862, 4636..4860, 4899..5081, 4900..5073 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o7.tw | Method | TBLASTX:Wheat |
| Start | 5712 | End | 6110 |
| GI | none | Score | 101 |
| Exons | 5712..5987, 5761..5982, 5943..6059, 5956..6048, 6060..6110 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o3.np | Method | AAT/NAP |
| Start | 6349 | End | 9525 |
| GI | 6478216 | Score | 327 |
| Exons | 6349..6388, 8076..8175, 8339..8599, 9200..9525 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14382 | Strand | - |
| Start | 4443 | End | 9540 |
| Name | OJ990421_03.9819.C19.o2.ts | Method | TBLASTX:Soybean |
| Start | 8416 | End | 9532 |
| GI | none | Score | 65 |
| Exons | 8416..8469, 8545..8601, 9199..9315, 9218..9340, 9350..9418, 9439..9522, 9452..9532 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14383 | Strand | |
| Start | 11936 | End | 13593 |
| Name | OJ990421_03.9819.C19.o8.tw | Method | TBLASTX:Wheat |
| Start | 11936 | End | 13593 |
| GI | none | Score | 212 |
| Exons | 11936..11959, 12072..12146, 13375..13593 | | |

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|---|---|---|---|
| Seq. No. | 6875 | Seq. ID | OJ990421_03.9819.C19 |
| Gene No. | 14383 | Strand | |
| Start | 11936 | End | 13593 |
| Name | OJ990421_03.9819.C19.o4.tm | Method | TBLASTX:Maize |
| Start | 12024 | End | 12393 |
| GI | none | Score | 69 |
| Exons | 12024..12227, 12224..12304, 12322..12393 | | |

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|---|---|---|---|
| Seq. No. | 6876 | Seq. ID | OJ990421_03.9819.C20 |
| Gene No. | 14384 | Strand | - |
| Start | 1510 | End | 1776 |
| Name | OJ990421_03.9819.C20.o2.gs | Method | GENSCAN |
| Start | 1510 | End | 1776 |
| GI | none | Score | .96 |
| Exons | 1510..1776 | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14385 | Strand | + |
| Start | 12024 | End | 12114 |
| Name | OJ990421_03.9819.C21.o4.gp | Method | AAT/GAP |
| Start | 12024 | End | 12114 |
| GI | uC-osflcyp109e03a1 | Score | 125 |
| Exons | 12024..12114 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11' | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14386 | Strand | - |
| Start | 106 | End | 7432 |
| Name | OJ990421_03.9819.C21.o1.gs | Method | GENSCAN |
| Start | 106 | End | 4320 |
| GI | none | Score | .79 |
| Exons | 106..291, 1265..1348, 3133..3323, 3574..4320 | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14386 | Strand | - |
| Start | 106 | End | 7432 |
| Name | OJ990421_03.9819.C21.o1.gp | Method | AAT/GAP |
| Start | 2881 | End | 3632 |

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|---|---|---|---|
| GI | uC-osroM202038c10a1 | Score | 984 |
| Exons | 2881..3323, 3574..3632 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14386 | Strand | - |
| Start | 106 | End | 7432 |
| Name | OJ990421_03.9819.C21.o3.gp | Method | AAT/GAP |
| Start | 3831 | End | 7432 |
| GI | 53981_1.R1084 | Score | 993 |
| Exons | 3831..3945, 7028..7432 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 6.0e-33 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14386 | Strand | - |
| Start | 106 | End | 7432 |
| Name | OJ990421_03.9819.C21.o1.np | Method | AAT/NAP |
| Start | 5653 | End | 7402 |
| GI | 6478216 | Score | 881 |
| Exons | 5653..5874, 6656..7402 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14387 | Strand | - |
| Start | 8376 | End | 9681 |
| Name | OJ990421_03.9819.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 3108 | End | 7288 |
| GI | none | Score | 149 |
| Exons | 3108..3326, 3111..3326, 3112..3330, 3571..3633, 3571..3894, 3572..3916, 3898..4206, 3946..4179, 5628..5876, 5650..5886, 5656..5877, 5795..5884, 6653..6715, 6653..6976, 6654..6986, 6975..7262, 6980..7288 | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14387 | Strand | - |
| Start | 8376 | End | 9681 |
| Name | OJ990421_03.9819.C21.o1.ts | Method | TBLASTX:Soybean |
| Start | 3108 | End | 7355 |
| GI | none | Score | 41 |
| Exons | 3108..3326, 3110..3145, 3177..3326, 3571..3894, 3572..3910, 3947..4069, 3955..4269, 4142..4273, 5632..5877, 5650..5886, 6653..6976, 6654..6974, 7028..7351, 7032..7355 | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14387 | Strand | - |
| Start | 8376 | End | 9681 |
| Name | OJ990421_03.9819.C21.o2.tc | Method | TBLASTX:Cress |
| Start | 3108 | End | 5880 |
| GI | none | Score | 55 |
| Exons | 3108..3197, 3195..3329, 5650..5769, 5657..5719, 5746..5880, 5795..5878 | | |

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| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14387 | Strand | - |

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|---|---|---|---|
| Start | 8376 | End | 9681 |
| Name | OJ990421_03.9819.C21.o1.tc | Method | TBLASTX:Cress |
| Start | 3607 | End | 7354 |
| GI | none | Score | 164 |
| Exons | 3607..3867, 3608..3868, 3910..3957, 4006..4272, 4013..4072, 4142..4270, 6689..6949, 6801..6950, 6992..7039, 7088..7354, 7095..7352 | | |

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|---|---|---|---|
| Seq. No. | 6877 | Seq. ID | OJ990421_03.9819.C21 |
| Gene No. | 14387 | Strand | - |
| Start | 8376 | End | 9681 |
| Name | OJ990421_03.9819.C21.o2.np | Method | AAT/NAP |
| Start | 8376 | End | 9681 |
| GI | 6815099 | Score | 91 |
| Exons | 8376..8514, 9648..9681 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14388 | Strand | + |
| Start | 102 | End | 3228 |
| Name | OJ990421_03.9819.C23.o1.gs | Method | GENSCAN |
| Start | 102 | End | 3228 |
| GI | none | Score | .72 |
| Exons | 102..900, 1992..2173, 2781..3228 | | |

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|---|---|---|---|
| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14389 | Strand | + |
| Start | 5535 | End | 6045 |
| Name | OJ990421_03.9819.C23.o3.np | Method | AAT/NAP |
| Start | 5526 | End | 5669 |
| GI | 4406780 | Score | 76 |
| Exons | 5526..5669 | | |
| GI Descrip. | (AC006532) putative endosomal protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14389 | Strand | + |
| Start | 5535 | End | 6045 |
| Name | OJ990421_03.9819.C23.o2.gs | Method | GENSCAN |
| Start | 5535 | End | 6045 |
| GI | none | Score | .65 |
| Exons | 5535..5642, 5967..6045 | | |

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| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14390 | Strand | - |
| Start | 661 | End | 1230 |
| Name | OJ990421_03.9819.C23.o1.gp | Method | AAT/GAP |
| Start | 661 | End | 1230 |
| GI | none | Score | 1103 |
| Exons | 661..1230 | | |

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| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14391 | Strand | - |
| Start | 2787 | End | 4492 |
| Name | OJ990421_03.9819.C23.o1.tc | Method | TBLASTX:Cress |
| Start | 88 | End | 627 |
| GI | none | Score | 67 |
| Exons | 88..165, 192..341, 196..342, 366..422, 367..531, 571..627 | | |

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|---|---|---|---|
| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14391 | Strand | - |
| Start | 2787 | End | 4492 |
| Name | OJ990421_03.9819.C23.o1.ts | Method | TBLASTX:Soybean |
| Start | 97 | End | 627 |
| GI | none | Score | 131 |
| Exons | 97..336, 343..546, 571..627 | | |

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|---|---|---|---|
| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14391 | Strand | - |
| Start | 2787 | End | 4492 |
| Name | OJ990421_03.9819.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 113 | End | 348 |
| GI | none | Score | 106 |
| Exons | 113..316, 115..348, 122..322, 136..333, 168..338 | | |

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| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14391 | Strand | - |
| Start | 2787 | End | 4492 |
| Name | OJ990421_03.9819.C23.o2.tm | Method | TBLASTX:Maize |
| Start | 641 | End | 909 |
| GI | none | Score | 289 |
| Exons | 641..877, 643..909, 643..894 | | |

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|---|---|---|---|
| Seq. No. | 6878 | Seq. ID | OJ990421_03.9819.C23 |
| Gene No. | 14391 | Strand | - |
| Start | 2787 | End | 4492 |
| Name | OJ990421_03.9819.C23.o2.np | Method | AAT/NAP |
| Start | 2787 | End | 4492 |
| GI | 2832643 | Score | 69 |
| Exons | 2787..3001, 4457..4492 | | |
| GI Descrip. | (AL021710) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6879 | Seq. ID | OJ990421_03.9819.C24 |
| Gene No. | 14392 | Strand | + |
| Start | 3 | End | 1483 |
| Name | OJ990421_03.9819.C24.o1.np | Method | AAT/NAP |
| Start | 3 | End | 1483 |
| GI | 4406780 | Score | 742 |
| Exons | 3..145, 253..302, 577..1153, 1356..1483 | | |
| GI Descrip. | (AC006532) putative endosomal protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6879 | Seq. ID | OJ990421_03.9819.C24 |
| Gene No. | 14392 | Strand | + |
| Start | 3 | End | 1483 |
| Name | OJ990421_03.9819.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 259 | End | 1157 |
| GI | none | Score | 79 |
| Exons | 259..300, 260..301, 559..771, 576..842, 576..794, 828..1154, 830..1156, 941..1156, 1035..1157 | | |

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|---|---|---|---|
| Seq. No. | 6879 | Seq. ID | OJ990421_03.9819.C24 |
| Gene No. | 14392 | Strand | + |
| Start | 3 | End | 1483 |
| Name | OJ990421_03.9819.C24.o1.ts | Method | TBLASTX:Soybean |
| Start | 260 | End | 1157 |

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|---|---|---|---|
| GI | none | Score | 83 |
| Exons | 260..304, 582..797, 584..796, 615..797, 688..879, 800..1156, 801..1154, 890..1156, 1017..1157 | | |

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| Seq. No. | 6879 | Seq. ID | OJ990421_03.9819.C24 |
| Gene No. | 14392 | Strand | + |
| Start | 3 | End | 1483 |
| Name | OJ990421_03.9819.C24.o1.gs | Method | GENSCAN |
| Start | 262 | End | 1153 |
| GI | none | Score | .69 |
| Exons | 262..302, 552..1153 | | |

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| Seq. No. | 6879 | Seq. ID | OJ990421_03.9819.C24 |
| Gene No. | 14392 | Strand | + |
| Start | 3 | End | 1483 |
| Name | OJ990421_03.9819.C24.o1.tc | Method | TBLASTX:Cress |
| Start | 576 | End | 1161 |
| GI | none | Score | 278 |
| Exons | 576..797, 576..794, 581..796, 824..1156, 828..1154, 941..1156, 1015..1161, 1017..1160 | | |

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|---|---|---|---|
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14393 | Strand | + |
| Start | 1 | End | 4081 |
| Name | OJ990421_03.9819.C25.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1269 |
| GI | 4406780 | Score | 1310 |
| Exons | 1..206, 326..810, 1053..1269 | | |
| GI Descrip. | (AC006532) putative endosomal protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14393 | Strand | + |
| Start | 1 | End | 4081 |
| Name | OJ990421_03.9819.C25.o1.gs | Method | GENSCAN |
| Start | 326 | End | 4081 |
| GI | none | Score | .85 |
| Exons | 326..810, 1053..1264, 2208..2346, 2776..4081 | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14394 | Strand | + |
| Start | 4657 | End | 5076 |
| Name | OJ990421_03.9819.C25.o2.gs | Method | GENSCAN |
| Start | 4657 | End | 5076 |
| GI | none | Score | .67 |
| Exons | 4657..4782, 4792..5076 | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14395 | Strand | + |
| Start | 5487 | End | 8518 |
| Name | OJ990421_03.9819.C25.o3.np | Method | AAT/NAP |
| Start | 5487 | End | 8518 |
| GI | 6721512 | Score | 98 |
| Exons | 5487..5529, 7242..7345, 7372..7510, 8498..8518 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |

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|---|---|---|---|
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 52 | End | 1167 |
| GI | none | Score | 246 |
| Exons | 52..207, 53..208, 54..221, 57..209, 322..813, 325..810, 1047..1166, 1066..1167 | | |

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|---|---|---|---|
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 53 | End | 1272 |
| GI | none | Score | 127 |
| Exons | 53..208, 53..208, 57..221, 250..306, 325..810, 326..694, 326..862, 381..710, 761..811, 787..849, 1047..1271, 1052..1270, 1066..1272, 1096..1272 | | |

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|---|---|---|---|
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o2.tc | Method | TBLASTX:Cress |
| Start | 53 | End | 496 |
| GI | none | Score | 107 |
| Exons | 53..208, 53..208, 57..221, 57..209, 322..486, 325..495, 326..496 | | |

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|---|---|---|---|
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o2.tw | Method | TBLASTX:Wheat |
| Start | 352 | End | 667 |
| GI | none | Score | 68 |
| Exons | 352..660, 370..657, 389..667 | | |

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|---|---|---|---|
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o3.tc | Method | TBLASTX:Cress |
| Start | 1119 | End | 1272 |
| GI | none | Score | 255 |
| Exons | 1119..1271, 1120..1272, 1126..1272 | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 2693 | End | 4871 |
| GI | none | Score | 77 |
| Exons | 2693..2875, 2733..2876, 2892..3086, 2900..3094, 3167..3472, 3258..3473, 3518..3559, 3569..3694, 3585..3686, 3701..3868, 3839..3934, 4635..4871 | | |

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| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o2.np | Method | AAT/NAP |
| Start | 2747 | End | 4991 |
| GI | 4102839 | Score | 1122 |

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|---|---|---|---|
| Exons | 2747..4057, 4629..4991 | | |
| GI Descrip. | (AF016713) LeOPT1 [Lycopersicon esculentum] | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o2.tm | Method | TBLASTX:Maize |
| Start | 2751 | End | 3935 |
| GI | none | Score | 84 |
| Exons | 2751..2888, 2757..2837, 2900..3094, 2901..3095, 3167..3472, 3258..3473, 3518..3559, 3564..3686, 3566..3694, 3761..3811, 3806..3868, 3825..3890, 3854..3934, 3879..3935 | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o1.tw | Method | TBLASTX:Wheat |
| Start | 2756 | End | 3091 |
| GI | none | Score | 59 |
| Exons | 2756..2890, 2789..2875, 2823..2888, 2900..3091, 2901..3083 | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o2.ts | Method | TBLASTX:Soybean |
| Start | 2756 | End | 3931 |
| GI | none | Score | 116 |
| Exons | 2756..2863, 2897..3094, 2943..3098, 3167..3310, 3317..3472, 3518..3547, 3608..3676, 3716..3895, 3887..3931 | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o3.tm | Method | TBLASTX:Maize |
| Start | 4626 | End | 4871 |
| GI | none | Score | 45 |
| Exons | 4626..4871, 4684..4728, 4786..4869 | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o3.ts | Method | TBLASTX:Soybean |
| Start | 4647 | End | 4871 |
| GI | none | Score | 42 |
| Exons | 4647..4871, 4684..4728, 4783..4869 | | |
| Seq. No. | 6880 | Seq. ID | OJ990421_03.9819.C25 |
| Gene No. | 14396 | Strand | - |
| Start | 2747 | End | 4991 |
| Name | OJ990421_03.9819.C25.o3.tw | Method | TBLASTX:Wheat |
| Start | 4704 | End | 4871 |
| GI | none | Score | 92 |
| Exons | 4704..4871, 4740..4871 | | |
| Seq. No. | 6881 | Seq. ID | OJ990421_03.9819.C26 |
| Gene No. | 14397 | Strand | + |
| Start | 121 | End | 377 |

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|---|---|---|---|
| Name | OJ990421_03.9819.C26.o1.np | Method | AAT/NAP |
| Start | 121 | End | 377 |
| GI | 5080826 | Score | 79 |
| Exons | 121..377 | | |
| GI Descrip. | (AC007258) Putative Aldo/keto reductase [Arabidopsis thaliana] | | |

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| Seq. No. | 6881 | Seq. ID | OJ990421_03.9819.C26 |
| Gene No. | 14398 | Strand | + |
| Start | 671 | End | 1075 |
| Name | OJ990421_03.9819.C26.o1.gs | Method | GENSCAN |
| Start | 671 | End | 1075 |
| GI | none | Score | .96 |
| Exons | 671..1075 | | |

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|---|---|---|---|
| Seq. No. | 6881 | Seq. ID | OJ990421_03.9819.C26 |
| Gene No. | 14399 | Strand | - |
| Start | 2450 | End | 6025 |
| Name | OJ990421_03.9819.C26.o2.gs | Method | GENSCAN |
| Start | 2450 | End | 5780 |
| GI | none | Score | .46 |
| Exons | 2450..2666, 3074..3303, 3768..3959, 3997..4397, 4491..4608, 4961..5110, 5437..5461, 5507..5608, 5716..5780 | | |

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|---|---|---|---|
| Seq. No. | 6881 | Seq. ID | OJ990421_03.9819.C26 |
| Gene No. | 14399 | Strand | - |
| Start | 2450 | End | 6025 |
| Name | OJ990421_03.9819.C26.o2.np | Method | AAT/NAP |
| Start | 2453 | End | 6025 |
| GI | 5922620 | Score | 665 |
| Exons | 2453..2583, 3950..4037, 4074..4245, 4349..4565, 5437..5461, 5963..6025 | | |
| GI Descrip. | (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6882 | Seq. ID | OJ990421_03.9819.C30 |
| Gene No. | 14400 | Strand | + |
| Start | 674 | End | 769 |
| Name | OJ990421_03.9819.C30.o1.gp | Method | AAT/GAP |
| Start | 674 | End | 769 |
| GI | uC-osflcyp109e03a1 | Score | 120 |
| Exons | 674..769 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11' | | |

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|---|---|---|---|
| Seq. No. | 6883 | Seq. ID | OJ990421_03.9819.C31 |
| Gene No. | 14401 | Strand | + |
| Start | 1830 | End | 2124 |
| Name | OJ990421_03.9819.C31.o1.gp | Method | AAT/GAP |
| Start | 1830 | End | 2124 |
| GI | LIB3432-016-P1-K1-B4 | Score | 446 |
| Exons | 1830..2124 | | |
| GI Descrip. | '671740/emb\|CAA59218\| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]' | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14402 | Strand | + |
| Start | 1439 | End | 4785 |
| Name | OJ990421_03.9819.C32.o1.np | Method | AAT/NAP |
| Start | 1394 | End | 4785 |
| GI | 4406778 | Score | 3280 |
| Exons | 1394..4785 | | |
| GI Descrip. | (AC006532) putative receptor protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14402 | Strand | + |
| Start | 1439 | End | 4785 |
| Name | OJ990421_03.9819.C32.o2.gs | Method | GENSCAN |
| Start | 1439 | End | 4771 |
| GI | none | Score | 1 |
| Exons | 1439..4771 | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14403 | Strand | - |
| Start | 69 | End | 500 |
| Name | OJ990421_03.9819.C32.o1.gs | Method | GENSCAN |
| Start | 69 | End | 500 |
| GI | none | Score | .54 |
| Exons | 69..312, 485..500 | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o3.tm | Method | TBLASTX:Maize |
| Start | 1791 | End | 3484 |
| GI | none | Score | 44 |
| Exons | 1791..1835, 1845..1934, 1850..1969, 1994..2185, 2003..2092, 2005..2202, 2017..2190, 2029..2193, 2074..2196, 2108..2209, 2109..2201, 2109..2195, 2112..2186, 2144..2203, 2147..2227, 2207..2335, 2210..2326, 2213..2344, 2213..2350, 2216..2392, 2225..2332, 2323..2472, 2363..2491, 2438..2497, 2501..2773, 2501..2701, 2510..2842, 2510..2773, 2519..2989, 2525..2719, 2533..2835, 2533..2775, 2534..2743, 2545..2835, 2578..2964, 2579..2998, 2606..2842, 2663..2917, 2677..2967, 2678..3001, 2728..2967, 2735..2989, 2807..3004, 2813..2998, 2822..2914, 2867..3028, 2895..2933, 3176..3355, 3179..3484, 3215..3337, 3218..3481, 3218..3412, 3218..3427, 3227..3481, 3227..3481, 3229..3480, 3232..3480, 3241..3480, 3298..3480 | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o2.tc | Method | TBLASTX:Cress |
| Start | 1838 | End | 4534 |
| GI | none | Score | 58 |
| Exons | 1838..1936, 1853..1969, 1865..1978, 1970..2092, 1990..2184, 1991..2092, 1994..2218, 1994..2092, 1996..2043, 2003..2092, 2054..2197, 2101..2220, 2147..2200, 2213..2332, 2213..2344, 2216..2344, 2225..2341, 2225..2335, 2231..2335, 2309..2491, 2309..2482, 2309..2491, 2309..2491, 2315..2491, 2327..2473, 2345..2482, 2345..2491, 2504..2929, 2507..3001, 2507..3001, | | |

2510..2986, 2510..2863, 2510..3004, 2513..3001, 2519..2842,
2519..3004, 2533..2727, 2611..2835, 2612..2986, 2684..2992,
2732..3004, 2737..2967, 2807..2989, 2833..2958, 2870..3001,
2924..2992, 3176..3484, 3179..3484, 3179..3481, 3179..3334,
3182..3481, 3203..3529, 3215..3409, 3218..3358, 3221..3289,
3221..3493, 3226..3354, 3227..3481, 3227..3484, 3241..3411,
3359..3481, 3413..3544, 4409..4534

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o2.tw | Method | TBLASTX:Wheat |
| Start | 1919 | End | 3484 |
| GI | none | Score | 103 |

Exons 1919..2182, 2030..2092, 2195..2395, 2216..2326, 2252..2335,
2326..2460, 2510..2626, 2545..2697, 2546..2698, 2636..2842,
2689..2835, 2762..2914, 2792..2986, 2830..2967, 2924..3001,
3043..3336, 3113..3400, 3179..3334, 3182..3334, 3290..3484,
3344..3481

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o2.ts | Method | TBLASTX:Soybean |
| Start | 1970 | End | 3481 |
| GI | none | Score | 83 |

Exons 1970..2092, 1982..2092, 1993..2043, 2003..2092, 2014..2196,
2101..2220, 2144..2197, 2147..2200, 2162..2197, 2201..2335,
2210..2338, 2213..2338, 2213..2344, 2225..2389, 2225..2335,
2309..2497, 2312..2503, 2315..2491, 2327..2473, 2345..2515,
2507..2842, 2507..3001, 2510..2986, 2510..3004, 2513..3001,
2539..2727, 2582..3004, 2812..2946, 2833..2964, 2861..3001,
3179..3481, 3179..3334, 3181..3411, 3182..3481, 3182..3478,
3218..3481, 3218..3481, 3227..3481, 3281..3481

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o1.ts | Method | TBLASTX:Soybean |
| Start | 3839 | End | 4747 |
| GI | none | Score | 443 |

Exons 3839..4168, 3844..4167, 4181..4570, 4219..4569, 4643..4747

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| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o3.tw | Method | TBLASTX:Wheat |
| Start | 3866 | End | 4113 |
| GI | none | Score | 213 |

Exons 3866..4096, 3886..4113

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| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o1.tc | Method | TBLASTX:Cress |
| Start | 3874 | End | 4359 |
| GI | none | Score | 382 |

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|---|---|---|---|
| Exons | 3874..4167, 3896..4168, 4181..4357, 4213..4359 | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o1.tm | Method | TBLASTX:Maize |
| Start | 4018 | End | 4747 |
| GI | none | Score | 200 |
| Exons | 4018..4167, 4019..4168, 4199..4552, 4216..4551, 4544..4570, 4643..4747 | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o1.tw | Method | TBLASTX:Wheat |
| Start | 4199 | End | 4522 |
| GI | none | Score | 183 |
| Exons | 4199..4393, 4213..4359, 4402..4491, 4403..4522 | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o3.gs | Method | GENSCAN |
| Start | 5135 | End | 8415 |
| GI | none | Score | .77 |
| Exons | 5135..5380, 5570..5749, 5867..6113, 7113..7339, 7404..7521, 8372..8415 | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o2.np | Method | AAT/NAP |
| Start | 5162 | End | 7438 |
| GI | 6478216 | Score | 769 |
| Exons | 5162..5380, 5570..5749, 5867..6113, 7113..7438 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o4.tm | Method | TBLASTX:Maize |
| Start | 5162 | End | 6112 |
| GI | none | Score | 107 |
| Exons | 5162..5218, 5225..5383, 5261..5383, 5556..5750, 5567..5788, 5584..5751, 5854..5988, 5862..6035, 5864..6037, 6041..6112 | | |
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o3.ts | Method | TBLASTX:Soybean |
| Start | 5234 | End | 7390 |
| GI | none | Score | 55 |
| Exons | 5234..5383, 5567..5653, 5571..5654, 5663..5752, 5664..5726, 5859..6020, 5864..6034, 6065..6115, 7100..7330, 7131..7331, 7361..7390 | | |

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| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o3.tc | Method | TBLASTX:Cress |
| Start | 5606 | End | 7390 |
| GI | none | Score | 79 |
| Exons | 5606..5788, 5607..5750, 5862..5981, 5864..5980, 6077..6115, 7110..7340, 7118..7336, 7337..7390 | | |

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| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o1.gp | Method | AAT/GAP |
| Start | 6072 | End | 7507 |
| GI | uC-osflcyp023b05b1 | Score | 799 |
| Exons | 6072..6113, 7113..7507 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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|---|---|---|---|
| Seq. No. | 6884 | Seq. ID | OJ990421_03.9819.C32 |
| Gene No. | 14404 | Strand | - |
| Start | 5135 | End | 8415 |
| Name | OJ990421_03.9819.C32.o2.tm | Method | TBLASTX:Maize |
| Start | 7154 | End | 7423 |
| GI | none | Score | 88 |
| Exons | 7154..7423, 7157..7246, 7158..7334, 7365..7421 | | |

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|---|---|---|---|
| Seq. No. | 6885 | Seq. ID | OJ990421_03.9819.C33 |
| Gene No. | 14405 | Strand | - |
| Start | 950 | End | 1326 |
| Name | OJ990421_03.9819.C33.o1.gs | Method | GENSCAN |
| Start | 950 | End | 1326 |
| GI | none | Score | .58 |
| Exons | 950..1102, 1258..1326 | | |

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|---|---|---|---|
| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.gs | Method | GENSCAN |
| Start | 170 | End | 8769 |
| GI | none | Score | .68 |
| Exons | 170..350, 2350..2489, 3022..3177, 3291..3428, 3661..3835, 4166..4345, 6906..7155, 8360..8769 | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.np | Method | AAT/NAP |
| Start | 3665 | End | 8682 |
| GI | 6478216 | Score | 799 |
| Exons | 3665..3883, 4166..4345, 6906..7155, 8360..8682 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |

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|---|---|---|---|
| Name | OJ990421_03.9819.C34.o2.tm | Method | TBLASTX:Maize |
| Start | 3665 | End | 7151 |
| GI | none | Score | 114 |
| Exons | 3665..3721, 3740..3886, 3743..3883, 3784..3885, 3798..3899, 4146..4346, 4163..4348, 4193..4348, 6897..7070, 6904..7062, 7098..7151, 7102..7146 | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.gp | Method | AAT/GAP |
| Start | 3674 | End | 7032 |
| GI | 2801031 | Score | 867 |
| Exons | 3674..3883, 4166..4345, 6906..7032 | | |
| GI Descrip. | 2792155/emb\|CAA11226\| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata] | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.ts | Method | TBLASTX:Soybean |
| Start | 3737 | End | 8592 |
| GI | none | Score | 92 |
| Exons | 3737..3883, 4259..4348, 6897..6998, 6897..7058, 6898..7059, 7098..7172, 8398..8592 | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.tc | Method | TBLASTX:Cress |
| Start | 4199 | End | 8587 |
| GI | none | Score | 87 |
| Exons | 4199..4411, 6888..7022, 6904..7020, 7119..7157, 8386..8586, 8504..8587 | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o2.gp | Method | AAT/GAP |
| Start | 7037 | End | 8725 |
| GI | 64574_1.R1084 | Score | 861 |
| Exons | 7037..7155, 8360..8725 | | |
| GI Descrip. | '2792295 8.0e-24 (AF039182) unknown [Fragaria x ananassa]' | | |

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| Seq. No. | 6886 | Seq. ID | OJ990421_03.9819.C34 |
| Gene No. | 14406 | Strand | - |
| Start | 170 | End | 8769 |
| Name | OJ990421_03.9819.C34.o1.tm | Method | TBLASTX:Maize |
| Start | 8401 | End | 8670 |
| GI | none | Score | 120 |
| Exons | 8401..8574, 8410..8574, 8584..8670, 8585..8665 | | |

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| Seq. No. | 6887 | Seq. ID | OJ990421_03.9819.C35 |
| Gene No. | 14407 | Strand | + |
| Start | 250 | End | 339 |
| Name | OJ990421_03.9819.C35.o3.gp | Method | AAT/GAP |
| Start | 250 | End | 339 |

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|---|---|---|---|
| GI | 5038798 | Score | 128 |
| Exons | 250..339 | | |

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| Seq. No. | 6887 | Seq. ID | OJ990421_03.9819.C35 |
| Gene No. | 14408 | Strand | - |
| Start | 246 | End | 346 |
| Name | OJ990421_03.9819.C35.o2.gp | Method | AAT/GAP |
| Start | 246 | End | 346 |
| GI | uC-osroM202032f02a1 | Score | 140 |
| Exons | 246..346 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14409 | Strand | + |
| Start | 2559 | End | 3687 |
| Name | OJ990531_45.9922.C2.o1.gs | Method | GENSCAN |
| Start | 2559 | End | 3687 |
| GI | none | Score | .97 |
| Exons | 2559..2817, 3473..3687 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14410 | Strand | + |
| Start | 20631 | End | 21091 |
| Name | OJ990531_45.9922.C2.o2.gp | Method | AAT/GAP |
| Start | 20631 | End | 21091 |
| GI | none | Score | 880 |
| Exons | 20631..21091 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14411 | Strand | + |
| Start | 21272 | End | 29730 |
| Name | OJ990531_45.9922.C2.o4.gs | Method | GENSCAN |
| Start | 21272 | End | 29730 |
| GI | none | Score | .72 |
| Exons | 21272..21784, 21879..22094, 23275..23514, 24323..24526, 24616..24685, 25211..25388, 26107..26185, 26223..26410, 28885..28997, 29030..29365, 29579..29730 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14411 | Strand | + |
| Start | 21272 | End | 29730 |
| Name | OJ990531_45.9922.C2.o3.gp | Method | AAT/GAP |
| Start | 22391 | End | 22563 |
| GI | none | Score | 205 |
| Exons | 22391..22563 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14411 | Strand | + |
| Start | 21272 | End | 29730 |
| Name | OJ990531_45.9922.C2.o4.gp | Method | AAT/GAP |
| Start | 22507 | End | 22697 |
| GI | none | Score | 297 |
| Exons | 22507..22697 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14411 | Strand | + |

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|---|---|---|---|
| Start | 21272 | End | 29730 |
| Name | OJ990531_45.9922.C2.o1.np | Method | AAT/NAP |
| Start | 25262 | End | 25444 |
| GI | 6642645 | Score | 154 |
| Exons | 25262..25444 | | |
| GI Descrip. | (AC012395) putative RING zinc finger protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14412 | Strand | + |
| Start | 34972 | End | 35199 |
| Name | OJ990531_45.9922.C2.o5.gs | Method | GENSCAN |
| Start | 34972 | End | 35199 |
| GI | none | Score | .98 |
| Exons | 34972..35199 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14413 | Strand | - |
| Start | 6836 | End | 10965 |
| Name | OJ990531_45.9922.C2.o2.gs | Method | GENSCAN |
| Start | 6836 | End | 10965 |
| GI | none | Score | .98 |
| Exons | 6836..7422, 7507..7583, 7890..7979, 8761..9550, 10092..10965 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14414 | Strand | - |
| Start | 11199 | End | 11432 |
| Name | OJ990531_45.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 11199 | End | 11432 |
| GI | 3106595 | Score | 422 |
| Exons | 11199..11432 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14415 | Strand | - |
| Start | 11887 | End | 20412 |
| Name | OJ990531_45.9922.C2.o3.gs | Method | GENSCAN |
| Start | 11887 | End | 20412 |
| GI | none | Score | .61 |
| Exons | 11887..12482, 13289..13330, 13544..13777, 14518..14569, 15264..15326, 15864..16156, 16905..17281, 18064..18211, 19507..19812, 20400..20412 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 15885 | End | 17175 |
| GI | none | Score | 95 |
| Exons | 15885..16043, 15886..16041, 16044..16109, 16045..16095, 16097..16180, 16102..16146, 16239..16346, 16259..16327, 17107..17175, 17108..17170 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 21251 | End | 21439 |

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|---|---|---|---|
| GI | none | Score | 169 |
| Exons | 21251..21379, 21301..21378, 21305..21439, 21392..21427 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 25229 | End | 25435 |
| GI | none | Score | 245 |
| Exons | 25229..25435, 25255..25434 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 25249 | End | 25438 |
| GI | none | Score | 189 |
| Exons | 25249..25287, 25256..25438, 25315..25434 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 25256 | End | 25438 |
| GI | none | Score | 190 |
| Exons | 25256..25438, 25319..25393, 25378..25437 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 29212 | End | 29613 |
| GI | none | Score | 62 |
| Exons | 29212..29304, 29316..29513, 29512..29613 | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o5.gp | Method | AAT/GAP |
| Start | 30366 | End | 34456 |
| GI | 1588_1.R1084 | Score | 1034 |
| Exons | 30366..30612, 31300..31384, 31469..31566, 31641..31751, 34417..34456 | | |
| GI Descrip. | '3292814/emb\|CAA19804.1\| 7.0e-42 (AL031018) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 31306 | End | 31752 |
| GI | none | Score | 44 |
| Exons | 31306..31386, 31316..31387, 31454..31567, 31462..31542, 31463..31567, 31618..31749, 31633..31752, 31641..31751 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |

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|---|---|---|---|
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 31307 | End | 37728 |
| GI | none | Score | 70 |
| Exons | 31307..31372, 31308..31385, 31318..31386, 31318..31386, 31319..31387, 31453..31542, 31457..31567, 31463..31567, 31641..31760, 31642..31752, 34418..34468, 34654..34734, 34656..34736, 34659..34736, 36094..36174, 36094..36174, 36095..36175, 36553..36648, 36555..36647, 36556..36648, 36590..36649, 37416..37526, 37422..37523, 37640..37720, 37642..37728 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 31315 | End | 37737 |
| GI | none | Score | 51 |
| Exons | 31315..31386, 31318..31368, 31454..31567, 31462..31542, 31633..31764, 31641..31760, 34656..34751, 34657..34734, 36094..36168, 36095..36175, 36549..36656, 36550..36648, 37398..37526, 37403..37489, 37419..37574, 37642..37731, 37646..37720, 37702..37737 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o3.np | Method | AAT/NAP |
| Start | 31318 | End | 39793 |
| GI | 3292814 | Score | 788 |
| Exons | 31318..31384, 31469..31566, 31641..31751, 34417..34468, 34657..34733, 36115..36212, 36540..36653, 37421..37517, 37645..37736, 39581..39793 | | |
| GI Descrip. | (AL031018) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 34656 | End | 37731 |
| GI | none | Score | 70 |
| Exons | 34656..34736, 34672..34734, 34677..34736, 36094..36168, 36095..36196, 36550..36648, 36574..36657, 37397..37489, 37398..37523, 37398..37526, 37428..37511, 37642..37731, 37643..37720 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o6.gp | Method | AAT/GAP |
| Start | 37470 | End | 38114 |
| GI | 24884_1.R1084 | Score | 959 |
| Exons | 37470..37517, 37645..38114 | | |
| GI Descrip. | '3292814/emb\|CAA19804.1\| 7.0e-17 (AL031018) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |

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|---|---|---|---|
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o6.gs | Method | GENSCAN |
| Start | 37480 | End | 37971 |
| GI | none | Score | .77 |
| Exons | 37480..37971 | | |

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| Seq. No. | 6888 | Seq. ID | OJ990531_45.9922.C2 |
| Gene No. | 14416 | Strand | - |
| Start | 30366 | End | 40176 |
| Name | OJ990531_45.9922.C2.o7.gs | Method | GENSCAN |
| Start | 38801 | End | 40176 |
| GI | none | Score | .97 |
| Exons | 38801..39101, 39580..40176 | | |

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|---|---|---|---|
| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14417 | Strand | + |
| Start | 1 | End | 2893 |
| Name | OJ990531_45.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 932 |
| GI | 4220483 | Score | 51 |
| Exons | 1..34, 675..769, 879..932 | | |
| GI Descrip. | (AC006069) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14417 | Strand | + |
| Start | 1 | End | 2893 |
| Name | OJ990531_45.9922.C5.o1.gs | Method | GENSCAN |
| Start | 115 | End | 2109 |
| GI | none | Score | .72 |
| Exons | 115..189, 256..338, 650..769, 879..1057, 1959..2109 | | |

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|---|---|---|---|
| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14417 | Strand | + |
| Start | 1 | End | 2893 |
| Name | OJ990531_45.9922.C5.o2.np | Method | AAT/NAP |
| Start | 1468 | End | 2893 |
| GI | 5852084 | Score | 74 |
| Exons | 1468..1503, 2804..2893 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14418 | Strand | + |
| Start | 4901 | End | 6174 |
| Name | OJ990531_45.9922.C5.o2.gs | Method | GENSCAN |
| Start | 4901 | End | 6174 |
| GI | none | Score | .77 |
| Exons | 4901..5115, 6075..6174 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14419 | Strand | + |
| Start | 6691 | End | 9386 |
| Name | OJ990531_45.9922.C5.o3.gs | Method | GENSCAN |
| Start | 6691 | End | 9386 |
| GI | none | Score | .45 |
| Exons | 6691..6742, 7097..7113, 7617..7696, 8174..8279, 9327..9386 | | |

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|---|---|---|---|
| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14420 | Strand | + |
| Start | 15989 | End | 16166 |
| Name | OJ990531_45.9922.C5.o2.gp | Method | AAT/GAP |
| Start | 15989 | End | 16166 |
| GI | none | Score | 276 |
| Exons | 15989..16166 | | |

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|---|---|---|---|
| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14421 | Strand | - |
| Start | 8827 | End | 8907 |
| Name | OJ990531_45.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 8827 | End | 8907 |
| GI | 38012_1.R1084 | Score | 101 |
| Exons | 8827..8907 | | |
| GI Descrip. | '4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 85 | End | 1057 |
| GI | none | Score | 77 |
| Exons | 85..183, 270..338, 650..769, 661..750, 790..810, 876..1052, 878..1057 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 650 | End | 1052 |
| GI | none | Score | 123 |
| Exons | 650..769, 661..756, 876..1052, 878..1045 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o4.gs | Method | GENSCAN |
| Start | 13900 | End | 38951 |
| GI | none | Score | .53 |
| Exons | 13900..14798, 14927..15180, 16181..16369, 16847..17828, 18375..20045, 20474..20525, 22576..22666, 23168..24026, 24572..26095, 26551..26603, 27903..28091, 29082..29139, 29221..30057, 30620..32330, 32458..32560, 34325..34513, 35774..36728, 37275..38546, 38820..38951 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 13901 | End | 14050 |
| GI | none | Score | 125 |
| Exons | 13901..14050, 13903..14049 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |

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| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o3.np | Method | AAT/NAP |
| Start | 13903 | End | 15639 |
| GI | 2832675 | Score | 197 |
| Exons | 13903..14079, 14140..14253, 15584..15639 | | |
| GI Descrip. | (AL021712) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o3.gp | Method | AAT/GAP |
| Start | 27589 | End | 27899 |
| GI | 427437 | Score | 593 |
| Exons | 27589..27899 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o4.gp | Method | AAT/GAP |
| Start | 29413 | End | 29763 |
| GI | none | Score | 657 |
| Exons | 29413..29763 | | |

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| Seq. No. | 6889 | Seq. ID | OJ990531_45.9922.C5 |
| Gene No. | 14422 | Strand | - |
| Start | 13900 | End | 39069 |
| Name | OJ990531_45.9922.C5.o7.np | Method | AAT/NAP |
| Start | 34291 | End | 39069 |
| GI | 2914695 | Score | 161 |
| Exons | 34291..34506, 35767..35911, 36452..36551, 39015..39069 | | |
| GI Descrip. | (AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14423 | Strand | + |
| Start | 2612 | End | 5666 |
| Name | OJ990531_45.9922.C6.o1.gs | Method | GENSCAN |
| Start | 2612 | End | 5666 |
| GI | none | Score | .87 |
| Exons | 2612..2928, 3028..3230, 3475..3539, 3805..3873, 3983..4464, 4561..4769, 5014..5078, 5189..5272, 5347..5415, 5523..5666 | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o1.np | Method | AAT/NAP |
| Start | 6730 | End | 18006 |
| GI | 2914695 | Score | 191 |
| Exons | 6730..6756, 9463..9984, 17935..18006 | | |
| GI Descrip. | (AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana] | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o2.gs | Method | GENSCAN |
| Start | 6771 | End | 10614 |

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|---|---|---|---|
| GI | none | Score | .92 |
| Exons | 6771..7002, 8108..8777, 9276..10614 | | |

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|---|---|---|---|
| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o2.np | Method | AAT/NAP |
| Start | 9465 | End | 11547 |
| GI | 2914695 | Score | 185 |
| Exons | 9465..10028, 11502..11547 | | |
| GI Descrip. | (AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana] | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o3.gs | Method | GENSCAN |
| Start | 12336 | End | 13502 |
| GI | none | Score | .95 |
| Exons | 12336..13502 | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 12375 | End | 12708 |
| GI | none | Score | 119 |
| Exons | 12375..12707, 12553..12708 | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o3.np | Method | AAT/NAP |
| Start | 12378 | End | 15894 |
| GI | 6587835 | Score | 747 |
| Exons | 12378..13514, 15415..15658, 15772..15894 | | |
| GI Descrip. | (AC006551) Similar to peptide transporter [Arabidopsis thaliana] | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 12393 | End | 13409 |
| GI | none | Score | 101 |
| Exons | 12393..12518, 12519..12716, 12568..12729, 12783..12944, 12787..12942, 12928..13047, 12951..13055, 13161..13409, 13171..13401 | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 12402 | End | 15635 |
| GI | none | Score | 53 |
| Exons | 12402..12728, 12646..12717, 12783..13061, 12799..13047, 13128..13214, 13188..13427, 13204..13401, 15510..15578, 15561..15635 | | |

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| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 12402 | End | 13409 |
| GI | none | Score | 105 |
| Exons | 12402..12728, 12783..13061, 12787..13002, 13188..13223, 13266..13301, 13311..13409 | | |

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|---|---|---|---|
| Seq. No. | 6890 | Seq. ID | OJ990531_45.9922.C6 |
| Gene No. | 14424 | Strand | - |
| Start | 6771 | End | 18006 |
| Name | OJ990531_45.9922.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 13128 | End | 15853 |
| GI | none | Score | 50 |
| Exons | 13128..13187, 15451..15489, 15454..15498, 15505..15573, 15510..15578, 15561..15665, 15562..15666, 15761..15853, 15777..15851 | | |

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| Seq. No. | 6891 | Seq. ID | OJ990531_45.9922.C7 |
| Gene No. | 14425 | Strand | - |
| Start | 131 | End | 11158 |
| Name | OJ990531_45.9922.C7.o1.gs | Method | GENSCAN |
| Start | 131 | End | 10237 |
| GI | none | Score | .62 |
| Exons | 131..319, 1749..2673, 3216..4448, 4675..4843, 6465..6555, 7508..8147, 8710..9903, 10051..10237 | | |

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| Seq. No. | 6891 | Seq. ID | OJ990531_45.9922.C7 |
| Gene No. | 14425 | Strand | - |
| Start | 131 | End | 11158 |
| Name | OJ990531_45.9922.C7.o1.np | Method | AAT/NAP |
| Start | 6333 | End | 11158 |
| GI | 2914695 | Score | 187 |
| Exons | 6333..6556, 7506..7632, 11073..11158 | | |
| GI Descrip. | (AC003974) putative ubiquitin carboxyl terminal hydrolase [Arabidopsis thaliana] | | |

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| Seq. No. | 6891 | Seq. ID | OJ990531_45.9922.C7 |
| Gene No. | 14425 | Strand | - |
| Start | 131 | End | 11158 |
| Name | OJ990531_45.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 8398 | End | 8632 |
| GI | 3106595 | Score | 447 |
| Exons | 8398..8632 | | |

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| Seq. No. | 6892 | Seq. ID | OJ990531_41.9922.C1 |
| Gene No. | 14426 | Strand | + |
| Start | 173 | End | 365 |
| Name | OJ990531_41.9922.C1.o1.gs | Method | GENSCAN |
| Start | 173 | End | 365 |
| GI | none | Score | .82 |
| Exons | 173..234, 314..365 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14427 | Strand | + |

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|---|---|---|---|
| Start | 1764 | End | 4882 |
| Name | OJ990531_41.9922.C2.o1.gs | Method | GENSCAN |
| Start | 1764 | End | 4882 |
| GI | none | Score | .66 |
| Exons | 1764..1769, 2347..2400, 3147..3240, 4304..4418, 4594..4882 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14428 | Strand | + |
| Start | 6316 | End | 8466 |
| Name | OJ990531_41.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 6226 | End | 8466 |
| GI | 210_1.R1084 | Score | 2525 |
| Exons | 6226..6429, 6751..6980, 7573..8466 | | |
| GI Descrip. | '2952328 1.0e-173 (AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14428 | Strand | + |
| Start | 6316 | End | 8466 |
| Name | OJ990531_41.9922.C2.o2.gs | Method | GENSCAN |
| Start | 6316 | End | 8194 |
| GI | none | Score | .86 |
| Exons | 6316..6429, 6751..6980, 7573..8194 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14428 | Strand | + |
| Start | 6316 | End | 8466 |
| Name | OJ990531_41.9922.C2.o2.np | Method | AAT/NAP |
| Start | 6316 | End | 8191 |
| GI | 2952328 | Score | 1606 |
| Exons | 6316..6429, 6751..6980, 7573..8191 | | |
| GI Descrip. | (AF049889) 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14429 | Strand | + |
| Start | 17847 | End | 18506 |
| Name | OJ990531_41.9922.C2.o4.gs | Method | GENSCAN |
| Start | 17847 | End | 18506 |
| GI | none | Score | .58 |
| Exons | 17847..17856, 18251..18290, 18380..18506 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14430 | Strand | + |
| Start | 30487 | End | 38364 |
| Name | OJ990531_41.9922.C2.o5.np | Method | AAT/NAP |
| Start | 30487 | End | 37290 |
| GI | 5731756 | Score | 2186 |
| Exons | 30487..30814, 31775..32016, 32108..32251, 32316..32477, 32556..32639, 32955..33029, 33110..33466, 33547..33666, 33795..33892, 33982..34030, 34120..34272, 34403..34546, 34623..34719, 34820..35052, 35276..35430, 36132..36201, 36328..36376, 36486..36725, 36860..36949, 37041..37290 | | |
| GI Descrip. | (AL109819) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14430 | Strand | + |

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|---|---|---|---|
| Start | 30487 | End | 38364 |
| Name | OJ990531_41.9922.C2.o6.gs | Method | GENSCAN |
| Start | 30487 | End | 38364 |
| GI | none | Score | .74 |
| Exons | 30487..30814, 31775..32016, 32108..32251, 32316..32477, 32556..32639, 32749..32768, 32831..33028, 33055..33466, 33547..33702, 33795..33892, 34170..34272, 34620..34719, 34829..34999, 36132..36201, 36426..36450, 36486..36720, 36852..36952, 37041..37220, 37810..37904, 38044..38116, 38215..38364 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14430 | Strand | + |
| Start | 30487 | End | 38364 |
| Name | OJ990531_41.9922.C2.o8.gp | Method | AAT/GAP |
| Start | 37801 | End | 38084 |
| GI | 2310496 | Score | 483 |
| Exons | 37801..38084 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14431 | Strand | + |
| Start | 41261 | End | 45472 |
| Name | OJ990531_41.9922.C2.o6.np | Method | AAT/NAP |
| Start | 41261 | End | 45472 |
| GI | 6714290 | Score | 329 |
| Exons | 41261..41283, 43380..43514, 44020..44122, 44352..44431, 44545..44874, 45089..45187, 45404..45472 | | |
| GI Descrip. | (AC013354) F15H18.15 [Arabidopsis thaliana] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14432 | Strand | + |
| Start | 48095 | End | 56208 |
| Name | OJ990531_41.9922.C2.o10.gs | Method | GENSCAN |
| Start | 48095 | End | 56208 |
| GI | none | Score | .8 |
| Exons | 48095..48635, 49530..49684, 49897..50101, 50893..50984, 52653..52763, 53634..53988, 54689..54911, 56055..56208 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14433 | Strand | + |
| Start | 57352 | End | 57762 |
| Name | OJ990531_41.9922.C2.o10.gp | Method | AAT/GAP |
| Start | 57352 | End | 57762 |
| GI | uC-osflcyp083f04a1 | Score | 775 |
| Exons | 57352..57762 | | |
| GI Descrip. | '5777612/emb\|AJ245900.1\|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome' | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14434 | Strand | + |
| Start | 61915 | End | 65051 |
| Name | OJ990531_41.9922.C2.o12.gs | Method | GENSCAN |
| Start | 61915 | End | 65051 |
| GI | none | Score | .52 |
| Exons | 61915..61943, 63056..63199, 64657..64734, 64746..64881, 64968..65051 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14435 | Strand | + |
| Start | 66104 | End | 66193 |
| Name | OJ990531_41.9922.C2.o11.gp | Method | AAT/GAP |
| Start | 66104 | End | 66193 |
| GI | 2310359 | Score | 93 |
| Exons | 66104..66193 | | |
| GI Descrip. | 5777612/emb\|AJ245900.1\|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14436 | Strand | + |
| Start | 71375 | End | 72035 |
| Name | OJ990531_41.9922.C2.o14.gs | Method | GENSCAN |
| Start | 71375 | End | 72035 |
| GI | none | Score | .56 |
| Exons | 71375..71421, 71497..71730, 71807..72035 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14437 | Strand | + |
| Start | 78846 | End | 80457 |
| Name | OJ990531_41.9922.C2.o8.np | Method | AAT/NAP |
| Start | 78645 | End | 80457 |
| GI | 6907086 | Score | 1323 |
| Exons | 78645..79413, 79473..79708, 79944..79994, 80045..80259, 80321..80457 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14437 | Strand | + |
| Start | 78846 | End | 80457 |
| Name | OJ990531_41.9922.C2.o16.gs | Method | GENSCAN |
| Start | 78846 | End | 79379 |
| GI | none | Score | 1 |
| Exons | 78846..79379 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14438 | Strand | - |
| Start | 1533 | End | 5169 |
| Name | OJ990531_41.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1533 | End | 5169 |
| GI | 140506 | Score | 197 |
| Exons | 1533..1575, 2650..2894, 5098..5169 | | |
| GI Descrip. | PROBABLE INTRON MATURASE gi\|82531\|pir\|\|JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi\|11959\|emb\|CAA34008\| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi\|226626\|prf\|\|1603356B trnK intron ORF 542 [Oryza sativa] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14439 | Strand | - |
| Start | 11744 | End | 15964 |
| Name | OJ990531_41.9922.C2.o3.gs | Method | GENSCAN |
| Start | 11744 | End | 15869 |
| GI | none | Score | .92 |
| Exons | 11744..11826, 12758..12778, 14363..15869 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |

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|---|---|---|---|
| Gene No. | 14439 | Strand | - |
| Start | 11744 | End | 15964 |
| Name | OJ990531_41.9922.C2.o2.gp | Method | AAT/GAP |
| Start | 12983 | End | 14659 |
| GI | 90989_1.R1084 | Score | 1338 |
| Exons | 12983..13393, 14363..14659 | | |
| GI Descrip. | '4558591/gb\|AAD22663.1\|AC006555_1 3.0e-28 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1_AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]' | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14439 | Strand | - |
| Start | 11744 | End | 15964 |
| Name | OJ990531_41.9922.C2.o3.np | Method | AAT/NAP |
| Start | 14663 | End | 15869 |
| GI | 4097948 | Score | 1819 |
| Exons | 14663..15721, 15797..15869 | | |
| GI Descrip. | (U72255) beta-1,3-glucanase precursor [Oryza sativa] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14439 | Strand | - |
| Start | 11744 | End | 15964 |
| Name | OJ990531_41.9922.C2.o3.gp | Method | AAT/GAP |
| Start | 14737 | End | 15430 |
| GI | 65422_1.R1084 | Score | 1239 |
| Exons | 14737..15430 | | |
| GI Descrip. | '4097948 1.0e-102 (U72255) beta-1,3-glucanase precursor [Oryza sativa]' | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14439 | Strand | - |
| Start | 11744 | End | 15964 |
| Name | OJ990531_41.9922.C2.o4.gp | Method | AAT/GAP |
| Start | 15420 | End | 15964 |
| GI | 27257_1.R1084 | Score | 729 |
| Exons | 15420..15721, 15797..15964 | | |
| GI Descrip. | '4097948 2.0e-29 (U72255) beta-1,3-glucanase precursor [Oryza sativa]' | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14440 | Strand | - |
| Start | 20880 | End | 29533 |
| Name | OJ990531_41.9922.C2.o5.gs | Method | GENSCAN |
| Start | 20880 | End | 29533 |
| GI | none | Score | .58 |
| Exons | 20880..20936, 22222..22333, 22554..22591, 22776..23014, 23137..24105, 24152..24305, 24384..24552, 26106..26179, 26193..26296, 26709..26871, 26974..27210, 28628..28746, 29365..29533 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14440 | Strand | - |
| Start | 20880 | End | 29533 |
| Name | OJ990531_41.9922.C2.o4.np | Method | AAT/NAP |
| Start | 21398 | End | 24569 |
| GI | 2702270 | Score | 1185 |

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| Exons | 21398..21441, 22236..22333, 22622..22695, 22776..23015, 23150..24087, 24164..24305, 24384..24569 | | |
| GI Descrip. | (AC003033) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14440 | Strand | - |
| Start | 20880 | End | 29533 |
| Name | OJ990531_41.9922.C2.o6.gp | Method | AAT/GAP |
| Start | 22659 | End | 23830 |
| GI | 11144_1.R1084 | Score | 1835 |
| Exons | 22659..22695, 22776..23014, 23137..23830 | | |
| GI Descrip. | '2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14440 | Strand | - |
| Start | 20880 | End | 29533 |
| Name | OJ990531_41.9922.C2.o7.gp | Method | AAT/GAP |
| Start | 24602 | End | 26391 |
| GI | 2442798 | Score | 612 |
| Exons | 24602..24671, 24820..24961, 26106..26179, 26297..26391 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14441 | Strand | - |
| Start | 46414 | End | 46770 |
| Name | OJ990531_41.9922.C2.o9.gs | Method | GENSCAN |
| Start | 46414 | End | 46770 |
| GI | none | Score | .99 |
| Exons | 46414..46770 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14442 | Strand | - |
| Start | 57148 | End | 60101 |
| Name | OJ990531_41.9922.C2.o11.gs | Method | GENSCAN |
| Start | 57148 | End | 60101 |
| GI | none | Score | .82 |
| Exons | 57148..57283, 57621..57888, 58511..58897, 59058..59244, 59747..59919, 60098..60101 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14442 | Strand | - |
| Start | 57148 | End | 60101 |
| Name | OJ990531_41.9922.C2.o7.np | Method | AAT/NAP |
| Start | 57620 | End | 57891 |
| GI | 4406782 | Score | 221 |
| Exons | 57620..57891 | | |
| GI Descrip. | (AC006532) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 2660 | End | 2843 |
| GI | none | Score | 182 |
| Exons | 2660..2794, 2670..2795, 2768..2842, 2781..2843 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |

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| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 6299 | End | 8185 |
| GI | none | Score | 40 |
| Exons | 6299..6322, 6334..6441, 6748..6855, 6886..6981, 7556..8002, 7684..8001, 8063..8185, 8068..8184 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o8.tm | Method | TBLASTX:Maize |
| Start | 6318 | End | 7648 |
| GI | none | Score | 76 |
| Exons | 6318..6386, 6325..6441, 6325..6429, 6748..6981, 6748..6909, 6753..6980, 7555..7647, 7571..7648 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 6334 | End | 8208 |
| GI | none | Score | 140 |
| Exons | 6334..6441, 6336..6428, 6340..6429, 6748..6846, 6753..6845, 6883..6981, 6903..6983, 7570..7623, 7571..8002, 7684..8001, 8063..8194, 8071..8208 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 7649 | End | 8152 |
| GI | none | Score | 293 |
| Exons | 7649..7873, 7675..7863, 7715..7873, 7858..7998, 7859..7999, 8078..8152 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 7840 | End | 8196 |
| GI | none | Score | 270 |
| Exons | 7840..8001, 7841..8002, 8063..8176, 8069..8146, 8170..8196 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o6.tm | Method | TBLASTX:Maize |
| Start | 13083 | End | 14564 |
| GI | none | Score | 67 |
| Exons | 13083..13124, 13083..13124, 13338..13394, 13341..13394, 14362..14517, 14364..14564, 14365..14517 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o4.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 14361 | End | 74758 |
| GI | none | Score | 94 |
| Exons | 14361..14468, 14365..14469, 14433..14525, 14434..14517, 14526..14600, 14554..14595, 74663..74758 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o6.ts | Method | TBLASTX:Soybean |
| Start | 14362 | End | 14615 |
| GI | none | Score | 147 |
| Exons | 14362..14613, 14364..14615 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 14364 | End | 15720 |
| GI | none | Score | 39 |
| Exons | 14364..14606, 14745..14885, 14901..15020, 15024..15335, 15025..15096, 15127..15333, 15420..15719, 15430..15564, 15667..15720 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 14568 | End | 15724 |
| GI | none | Score | 218 |
| Exons | 14568..14612, 14739..15020, 14740..14883, 14959..15021, 15024..15245, 15025..15246, 15246..15722, 15247..15723, 15668..15724 | | |

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|---|---|---|---|
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 14751 | End | 15725 |
| GI | none | Score | 110 |
| Exons | 14751..14888, 14755..14883, 14889..15020, 15027..15725, 15040..15723 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 15321 | End | 15747 |
| GI | none | Score | 41 |
| Exons | 15321..15407, 15322..15402, 15417..15737, 15424..15624, 15658..15747 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 22845 | End | 23576 |
| GI | none | Score | 257 |

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|---|---|---|---|
| Exons | 22845..23006, 23133..23573, 23138..23572, 23373..23576 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 22899 | End | 24180 |
| GI | none | Score | 79 |
| Exons | 22899..23012, 22902..23036, 22903..23013, 23137..23340, 23138..23860, 23138..24082, 23142..24092, 24151..24180 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o8.ts | Method | TBLASTX:Soybean |
| Start | 23589 | End | 23783 |
| GI | none | Score | 163 |
| Exons | 23589..23783, 23591..23782 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o9.tm | Method | TBLASTX:Maize |
| Start | 24181 | End | 24500 |
| GI | none | Score | 154 |
| Exons | 24181..24321, 24181..24291, 24183..24305, 24379..24459, 24384..24500, 24384..24500 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o10.tm | Method | TBLASTX:Maize |
| Start | 24531 | End | 24965 |
| GI | none | Score | 97 |
| Exons | 24531..24674, 24532..24672, 24808..24963, 24824..24964, 24828..24965 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o11.ts | Method | TBLASTX:Soybean |
| Start | 32201 | End | 32524 |
| GI | none | Score | 76 |
| Exons | 32201..32251, 32201..32251, 32203..32253, 32311..32337, 32349..32480, 32351..32524, 32352..32480 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o4.ts | Method | TBLASTX:Soybean |
| Start | 32963 | End | 33432 |
| GI | none | Score | 66 |
| Exons | 32963..33028, 32970..33047, 33151..33234, 33152..33427, 33152..33418, 33307..33432 | | |
| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |

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|---|---|---|---|
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o11.tm | Method | TBLASTX:Maize |
| Start | 32976 | End | 33274 |
| GI | none | Score | 69 |
| Exons | 32976..33047, 32978..33028, 33075..33215, 33106..33246, 33107..33274, 33110..33274 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 33392 | End | 37294 |
| GI | none | Score | 83 |
| Exons | 33392..33463, 33394..33450, 33540..33701, 33541..33708, 33665..33703, 33787..33882, 33788..33889, 33791..33883, 33795..33890, 33976..34038, 33976..34044, 33983..34045, 34108..34263, 34120..34272, 34122..34271, 34400..34546, 34400..34546, 34402..34581, 34619..34708, 34620..34718, 34621..34722, 34824..34862, 34828..34860, 34849..35004, 34860..34994, 34879..34995, 35215..35262, 35215..35262, 35216..35263, 35335..35430, 35338..35430, 35340..35441, 36130..36204, 36131..36202, 36324..36374, 36341..36376, 36350..36376, 36483..36611, 36483..36578, 36485..36610, 36549..36641, 36578..36721, 36585..36722, 36586..36726, 36849..36929, 36851..36919, 36851..36973, 37033..37170, 37034..37177, 37040..37222, 37041..37226, 37200..37292, 37259..37294 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o10.ts | Method | TBLASTX:Soybean |
| Start | 33540 | End | 33708 |
| GI | none | Score | 214 |
| Exons | 33540..33701, 33541..33708 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o9.ts | Method | TBLASTX:Soybean |
| Start | 34420 | End | 37226 |
| GI | none | Score | 169 |
| Exons | 34420..34524, 34421..34534, 34840..34998, 34876..34995, 34908..35003, 35343..35441, 35357..35428, 36123..36182, 36125..36208, 36131..36196, 36179..36202, 36483..36614, 36485..36553, 36495..36722, 36564..36710, 36584..36721, 36848..36940, 36851..36922, 37020..37226, 37040..37222 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o3.tc | Method | TBLASTX:Cress |
| Start | 37053 | End | 37226 |
| GI | none | Score | 192 |
| Exons | 37053..37226, 37055..37216 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |

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|---|---|---|---|
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o5.ts | Method | TBLASTX:Soybean |
| Start | 50098 | End | 50688 |
| GI | none | Score | 140 |
| Exons | 50098..50235, 50401..50631, 50413..50604, 50424..50606, 50608..50688, 50608..50670 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 50512 | End | 52184 |
| GI | none | Score | 377 |
| Exons | 50512..50742, 50512..50739, 50522..50740, 50778..50978, 50786..50992, 50787..51005, 50854..50985, 51049..51252, 51078..51248, 51079..51252, 51095..51265, 51817..51948, 51820..51936, 51919..52176, 51920..52177, 51945..52184 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o12.ts | Method | TBLASTX:Soybean |
| Start | 52652 | End | 53909 |
| GI | none | Score | 88 |
| Exons | 52652..52741, 52653..52739, 53634..53720, 53646..53696, 53681..53908, 53700..53909 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o7.tm | Method | TBLASTX:Maize |
| Start | 53843 | End | 55490 |
| GI | none | Score | 145 |
| Exons | 53843..53992, 53844..53981, 54693..54872, 54694..54912, 54718..54912, 54719..54913, 55261..55485, 55262..55486, 55262..55486, 55263..55487, 55449..55490 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o7.ts | Method | TBLASTX:Soybean |
| Start | 57614 | End | 57896 |
| GI | none | Score | 179 |
| Exons | 57614..57817, 57621..57818, 57792..57896, 57821..57871 | | |

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| Seq. No. | 6893 | Seq. ID | OJ990531_41.9922.C2 |
| Gene No. | 14443 | Strand | - |
| Start | 76670 | End | 77175 |
| Name | OJ990531_41.9922.C2.o12.gp | Method | AAT/GAP |
| Start | 76670 | End | 77175 |
| GI | 38782_1.R1084 | Score | 797 |
| Exons | 76670..77175 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |

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|---|---|---|---|
| Gene No. | 14444 | Strand | + |
| Start | 1010 | End | 8545 |
| Name | OJ990531_41.9922.C3.o1.gs | Method | GENSCAN |
| Start | 1010 | End | 8305 |
| GI | none | Score | .5 |
| Exons | 1010..1131, 1809..1862, 1900..1979, 2327..2538, 2582..2780, 2809..3103, 6105..6163, 7088..7211, 7389..7609, 7739..7848, 8009..8305 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14444 | Strand | + |
| Start | 1010 | End | 8545 |
| Name | OJ990531_41.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 7251 | End | 8545 |
| GI | 73779_1.R1084 | Score | 1726 |
| Exons | 7251..7609, 7739..7848, 8009..8127, 8215..8545 | | |
| GI Descrip. | '5669654/gb\|AAD46412.1\|AF096262_1 5.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]' | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14444 | Strand | + |
| Start | 1010 | End | 8545 |
| Name | OJ990531_41.9922.C3.o2.np | Method | AAT/NAP |
| Start | 7435 | End | 8287 |
| GI | 6714413 | Score | 418 |
| Exons | 7435..7609, 7739..7848, 8009..8127, 8215..8287 | | |
| GI Descrip. | (AC012328) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14445 | Strand | + |
| Start | 12491 | End | 18320 |
| Name | OJ990531_41.9922.C3.o3.gp | Method | AAT/GAP |
| Start | 12491 | End | 14230 |
| GI | 426494 | Score | 695 |
| Exons | 12491..12517, 13450..13513, 13930..14230 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14445 | Strand | + |
| Start | 12491 | End | 18320 |
| Name | OJ990531_41.9922.C3.o4.np | Method | AAT/NAP |
| Start | 13084 | End | 18320 |
| GI | 6969231 | Score | 337 |
| Exons | 13084..13113, 15052..15189, 15548..15646, 16242..16379, 17508..17778, 18294..18320 | | |
| GI Descrip. | (AF079872) cyclic nucleotide-gated calmodulin-binding ion channel [Nicotiana tabacum] | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14445 | Strand | + |
| Start | 12491 | End | 18320 |
| Name | OJ990531_41.9922.C3.o3.gs | Method | GENSCAN |
| Start | 13939 | End | 17273 |
| GI | none | Score | .57 |
| Exons | 13939..14373, 15004..15189, 15548..15646, 16242..16379, 17220..17273 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |

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|---|---|---|---|
| Gene No. | 14446 | Strand | - |
| Start | 1 | End | 3273 |
| Name | OJ990531_41.9922.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3273 |
| GI | 3176686 | Score | 56 |
| Exons | 1..21, 2337..2607, 3062..3273 | | |
| GI Descrip. | (AC003671) Similar to high affinity potassium transporter, HAK1 protein gb\|U22945 from Schwanniomyces occidentalis. [Arabidopsis thaliana] | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14447 | Strand | - |
| Start | 8696 | End | 13018 |
| Name | OJ990531_41.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 8696 | End | 11493 |
| GI | 2047_1.R1084 | Score | 2018 |
| Exons | 8696..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11353..11493 | | |
| GI Descrip. | '5733866/gb\|AAD49754.1\|AC007932_2 1.0e-118 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]' | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14447 | Strand | - |
| Start | 8696 | End | 13018 |
| Name | OJ990531_41.9922.C3.o2.gs | Method | GENSCAN |
| Start | 8777 | End | 13018 |
| GI | none | Score | .71 |
| Exons | 8777..8856, 8906..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11446..11547, 11877..11938, 11958..12163, 12236..12318, 12749..13018 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14447 | Strand | - |
| Start | 8696 | End | 13018 |
| Name | OJ990531_41.9922.C3.o3.np | Method | AAT/NAP |
| Start | 8895 | End | 12132 |
| GI | 5733866 | Score | 1186 |
| Exons | 8895..9096, 9298..9395, 9639..9752, 9822..9879, 10011..10100, 10647..10738, 11131..11241, 11353..11547, 11745..11810, 11958..12132 | | |
| GI Descrip. | (AC007932) Contains similarity to gb\|M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb\|Z18033 and gb\|Z34214 come from this gene. [Arabidopsis thaliana] | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 7422 | End | 7612 |
| GI | none | Score | 287 |
| Exons | 7422..7607, 7423..7608, 7510..7608, 7523..7612 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |

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|---|---|---|---|
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o3.tc | Method | TBLASTX:Cress |
| Start | 7446 | End | 8284 |
| GI | none | Score | 171 |
| Exons | 7446..7607, 7447..7608, 7741..7860, 7997..8128, 8006..8131, 8212..8283, 8213..8284 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o4.ts | Method | TBLASTX:Soybean |
| Start | 7447 | End | 8281 |
| GI | none | Score | 146 |
| Exons | 7447..7608, 7452..7607, 7741..7860, 8006..8131, 8213..8281 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o3.tm | Method | TBLASTX:Maize |
| Start | 7741 | End | 8281 |
| GI | none | Score | 91 |
| Exons | 7741..7860, 8006..8131, 8204..8281 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 8878 | End | 12053 |
| GI | none | Score | 277 |
| Exons | 8878..9099, 8879..9103, 8880..9098, 8881..9102, 9300..9392, 9300..9395, 9638..9748, 9639..9752, 9802..9882, 9820..9882, 9854..9883, 10011..10055, 10013..10102, 10013..10099, 10651..10740, 10652..10738, 11117..11242, 11129..11242, 11131..11244, 11191..11244, 11347..11553, 11351..11548, 11353..11550, 11706..11825, 11737..11808, 11958..12053, 11959..12051 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o2.ts | Method | TBLASTX:Soybean |
| Start | 8892 | End | 10114 |
| GI | none | Score | 181 |
| Exons | 8892..9098, 8895..9098, 8896..9099, 9291..9380, 9292..9396, 9300..9395, 9639..9749, 9639..9752, 9641..9766, 9685..9753, 9802..9909, 9823..9882, 10011..10052, 10011..10052, 10013..10054, 10058..10114, 10058..10099 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 8907 | End | 9359 |
| GI | none | Score | 100 |
| Exons | 8907..9044, 8910..9098, 8911..9099, 9300..9359 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |

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| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 9634 | End | 12050 |
| GI | none | Score | 56 |
| Exons | 9634..9753, 9638..9760, 9639..9752, 9802..9882, 10011..10040, 10013..10048, 10046..10099, 10058..10102, 10638..10724, 10639..10740, 10646..10741, 10647..10700, 11132..11242, 11134..11244, 11182..11244, 11339..11548, 11347..11553, 11353..11550, 11706..11825, 11737..11808, 11955..12050 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 11123 | End | 12041 |
| GI | none | Score | 99 |
| Exons | 11123..11239, 11125..11241, 11343..11549, 11347..11553, 11357..11572, 11706..11825, 11737..11808, 11955..12041 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o3.ts | Method | TBLASTX:Soybean |
| Start | 17559 | End | 17765 |
| GI | none | Score | 104 |
| Exons | 17559..17645, 17561..17644, 17651..17764, 17652..17765 | | |

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| Seq. No. | 6894 | Seq. ID | OJ990531_41.9922.C3 |
| Gene No. | 14448 | Strand | - |
| Start | 17639 | End | 18108 |
| Name | OJ990531_41.9922.C3.o4.gs | Method | GENSCAN |
| Start | 17639 | End | 18108 |
| GI | none | Score | .59 |
| Exons | 17639..17839, 18055..18108 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14449 | Strand | + |
| Start | 1 | End | 6396 |
| Name | OJ990531_41.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 6396 |
| GI | 6587805 | Score | 444 |
| Exons | 1..22, 2044..2171, 2325..2470, 2661..2738, 3645..3755, 3917..4192, 4307..4435, 4769..4899, 6329..6396 | | |
| GI Descrip. | (AC010924) Strong similarity to gb\|Y17914 ion channel protein from Arabidopsis thaliana and is a member of the PF\|00914 transmembrane CNG channel family containing a PF\|00027 cyclic nucleotide-binding domain. | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14450 | Strand | + |
| Start | 8206 | End | 14539 |
| Name | OJ990531_41.9922.C4.o2.np | Method | AAT/NAP |
| Start | 8206 | End | 14539 |
| GI | 5420389 | Score | 170 |
| Exons | 8206..8526, 8951..9319, 13160..13217, 14498..14539 | | |
| GI Descrip. | (AJ243460) proteophosphoglycan [Leishmania major] | | |

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| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14451 | Strand | - |
| Start | 8046 | End | 9540 |
| Name | OJ990531_41.9922.C4.o2.gs | Method | GENSCAN |
| Start | 8046 | End | 9540 |
| GI | none | Score | .98 |
| Exons | 8046..8534, 8971..9540 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 1890 | End | 4088 |
| GI | none | Score | 120 |
| Exons | 1890..1988, 1907..1987, 2004..2171, 2027..2170, 2301..2471, 2322..2471, 2324..2488, 2637..2738, 2638..2739, 2659..2739, 3637..3786, 3643..3777, 3900..4088, 3941..4087 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 2069 | End | 4372 |
| GI | none | Score | 151 |
| Exons | 2069..2164, 2070..2171, 2085..2171, 2321..2503, 2321..2503, 2638..2739, 2657..2740, 2659..2739, 3620..3775, 3637..3786, 3643..3783, 3936..4184, 3938..4186, 3938..4183, 4270..4371, 4271..4366, 4271..4372 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 4094 | End | 4415 |
| GI | none | Score | 121 |
| Exons | 4094..4183, 4098..4181, 4254..4415, 4259..4414 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o3.np | Method | AAT/NAP |
| Start | 10678 | End | 13320 |
| GI | 1871180 | Score | 161 |
| Exons | 10678..10758, 11844..12175, 13026..13320 | | |
| GI Descrip. | (U90439) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o3.gs | Method | GENSCAN |
| Start | 11239 | End | 23072 |
| GI | none | Score | .81 |
| Exons | 11239..11499, 11750..12158, 12306..12481, 13078..13259, 15033..15177, 15747..15819, 15985..16090, 16522..16904, 17014..17172, 17277..17470, 17566..17686, 17853..19201, 19800..19964, 22889..23072 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o4.ts | Method | TBLASTX:Soybean |
| Start | 11864 | End | 12013 |
| GI | none | Score | 110 |
| Exons | 11864..12013, 11883..11987 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 11870 | End | 12064 |
| GI | none | Score | 173 |
| Exons | 11870..12064, 11871..11987, 11944..11988 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o4.np | Method | AAT/NAP |
| Start | 15029 | End | 19840 |
| GI | 2462745 | Score | 711 |
| Exons | 15029..15109, 16957..17172, 17277..17470, 17566..17758, 17853..18017, 18420..18608, 19814..19840 | | |
| GI Descrip. | (AC002292) Hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 16586 | End | 17954 |
| GI | none | Score | 75 |
| Exons | 16586..16660, 16589..16906, 16602..16907, 16605..16907, 16954..17172, 17015..17188, 17016..17171, 17271..17471, 17279..17470, 17280..17471, 17281..17472, 17285..17485, 17560..17643, 17573..17638, 17622..17759, 17623..17760, 17624..17761, 17841..17954, 17852..17953 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 16589 | End | 16883 |
| GI | none | Score | 259 |
| Exons | 16589..16864, 16590..16883, 16602..16742 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 16772 | End | 17987 |
| GI | none | Score | 124 |
| Exons | 16772..16906, 16773..16907, 17014..17169, 17016..17183, 17273..17476, 17276..17470, 17560..17643, 17596..17760, 17600..17761, 17847..17987, 17852..17986 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 16883 | End | 17393 |
| GI | none | Score | 75 |
| Exons | 16883..16903, 17013..17174, 17017..17121, 17276..17392, 17277..17393 | | |

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|---|---|---|---|
| Seq. No. | 6895 | Seq. ID | OJ990531_41.9922.C4 |
| Gene No. | 14452 | Strand | - |
| Start | 11239 | End | 23072 |
| Name | OJ990531_41.9922.C4.o3.tc | Method | TBLASTX:Cress |
| Start | 17650 | End | 18032 |
| GI | none | Score | 86 |
| Exons | 17650..17760, 17663..17734, 17850..18032, 17852..18028 | | |

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|---|---|---|---|
| Seq. No. | 6896 | Seq. ID | OJ990531_41.9922.C5 |
| Gene No. | 14453 | Strand | + |
| Start | 122 | End | 313 |
| Name | OJ990531_41.9922.C5.o1.gs | Method | GENSCAN |
| Start | 122 | End | 313 |
| GI | none | Score | .93 |
| Exons | 122..313 | | |

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|---|---|---|---|
| Seq. No. | 6896 | Seq. ID | OJ990531_41.9922.C5 |
| Gene No. | 14454 | Strand | + |
| Start | 511 | End | 1005 |
| Name | OJ990531_41.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 511 | End | 1005 |
| GI | none | Score | 970 |
| Exons | 511..1005 | | |

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|---|---|---|---|
| Seq. No. | 6896 | Seq. ID | OJ990531_41.9922.C5 |
| Gene No. | 14455 | Strand | - |
| Start | 1901 | End | 4500 |
| Name | OJ990531_41.9922.C5.o2.gs | Method | GENSCAN |
| Start | 1901 | End | 4500 |
| GI | none | Score | .5 |
| Exons | 1901..2253, 2630..2786, 2861..2895, 3627..3854, 4331..4500 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14456 | Strand | + |
| Start | 1 | End | 1595 |
| Name | OJ990531_41.9922.C6.o1.gs | Method | GENSCAN |
| Start | 1 | End | 905 |
| GI | none | Score | .55 |
| Exons | 1..131, 866..905 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14456 | Strand | + |
| Start | 1 | End | 1595 |
| Name | OJ990531_41.9922.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1450 |
| GI | 4973264 | Score | 256 |
| Exons | 1..131, 760..831, 984..1053, 1354..1450 | | |
| GI Descrip. | (AF144391) thioredoxin-like 5 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14456 | Strand | + |
| Start | 1 | End | 1595 |
| Name | OJ990531_41.9922.C6.o1.gp | Method | AAT/GAP |
| Start | 90 | End | 1595 |
| GI | 3980_1.R1084 | Score | 732 |
| Exons | 90..131, 760..831, 987..1053, 1354..1595 | | |
| GI Descrip. | '4973264/gb\|AAD35009.1\|AF144391_1 4.0e-36 (AF144391) thioredoxin-like 5 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14457 | Strand | + |
| Start | 4236 | End | 4792 |
| Name | OJ990531_41.9922.C6.o3.gp | Method | AAT/GAP |
| Start | 4236 | End | 4792 |
| GI | 41159_1.R1084 | Score | 1074 |
| Exons | 4236..4792 | | |
| GI Descrip. | '2864607/emb\|AL021811\|ATF10M6 2.0e-10 Arabidopsis thaliana DNA chromosome 4, BAC clone F10M6 (ESSAII project)' | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14458 | Strand | - |
| Start | 1621 | End | 1911 |
| Name | OJ990531_41.9922.C6.o2.gp | Method | AAT/GAP |
| Start | 1621 | End | 1911 |
| GI | 3766879 | Score | 481 |
| Exons | 1621..1911 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14459 | Strand | - |
| Start | 1981 | End | 2286 |
| Name | OJ990531_41.9922.C6.o2.np | Method | AAT/NAP |
| Start | 1975 | End | 2206 |
| GI | 4887742 | Score | 95 |
| Exons | 1975..2206 | | |
| GI Descrip. | (AC006533) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14459 | Strand | - |
| Start | 1981 | End | 2286 |
| Name | OJ990531_41.9922.C6.o2.gs | Method | GENSCAN |
| Start | 1981 | End | 2286 |
| GI | none | Score | .91 |
| Exons | 1981..2286 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 2053 | End | 2274 |
| GI | none | Score | 114 |
| Exons | 2053..2136, 2053..2091, 2060..2137, 2099..2137, 2138..2257, 2138..2257, 2140..2274, 2143..2259 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |

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|---|---|---|---|
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o3.gs | Method | GENSCAN |
| Start | 3093 | End | 4887 |
| GI | none | Score | .73 |
| Exons | 3093..3271, 3962..4037, 4537..4887 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 4527 | End | 5022 |
| GI | none | Score | 49 |
| Exons | 4527..4583, 4622..5017, 4622..4834, 4636..5022, 4960..5019 | | |

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| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o3.np | Method | AAT/NAP |
| Start | 4528 | End | 5022 |
| GI | 399940 | Score | 662 |
| Exons | 4528..5022 | | |
| GI Descrip. | HEAT SHOCK 70 KD PROTEIN, MITOCHONDRIAL PRECURSOR gi\|100004\|pir\|\|S25005 heat shock protein, 70K - kidney bean gi\|22636\|emb\|CAA47345\| (X66874) 70 kDa heat shock protein [Phaseolus vulgaris] | | |

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| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 4622 | End | 4993 |
| GI | none | Score | 272 |
| Exons | 4622..4993, 4636..4992, 4895..4993 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 4622 | End | 5022 |
| GI | none | Score | 347 |
| Exons | 4622..5017, 4636..5022 | | |

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|---|---|---|---|
| Seq. No. | 6897 | Seq. ID | OJ990531_41.9922.C6 |
| Gene No. | 14460 | Strand | - |
| Start | 3093 | End | 5022 |
| Name | OJ990531_41.9922.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 4780 | End | 5022 |
| GI | none | Score | 109 |
| Exons | 4780..5022, 4787..5017 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14461 | Strand | + |
| Start | 18066 | End | 20965 |
| Name | OJ990531_42.9922.C1.o3.gs | Method | GENSCAN |
| Start | 18066 | End | 20965 |
| GI | none | Score | .51 |
| Exons | 18066..18078, 20339..20533, 20883..20965 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14462 | Strand | + |
| Start | 24985 | End | 30088 |
| Name | OJ990531_42.9922.C1.o4.gp | Method | AAT/GAP |
| Start | 24688 | End | 25235 |
| GI | LIB3474-009-P1-K1-F11 | Score | 221 |
| Exons | 24688..24822, 25217..25235 | | |
| GI Descrip. | '4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14462 | Strand | + |
| Start | 24985 | End | 30088 |
| Name | OJ990531_42.9922.C1.o4.gs | Method | GENSCAN |
| Start | 24985 | End | 30088 |
| GI | none | Score | .5 |
| Exons | 24985..25086, 25426..25525, 26319..26479, 27360..27482, 27582..27691, 28403..28534, 29479..29666, 29880..30088 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14463 | Strand | + |
| Start | 45721 | End | 50892 |
| Name | OJ990531_42.9922.C1.o6.np | Method | AAT/NAP |
| Start | 45721 | End | 50856 |
| GI | 5922631 | Score | 4919 |
| Exons | 45721..45845, 46104..46348, 46608..46810, 46856..47721, 48328..50856 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14463 | Strand | + |
| Start | 45721 | End | 50892 |
| Name | OJ990531_42.9922.C1.o8.gs | Method | GENSCAN |
| Start | 45721 | End | 48446 |
| GI | none | Score | .51 |
| Exons | 45721..46143, 46162..46339, 46358..46557, 46761..47713, 47891..48083, 48240..48446 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14463 | Strand | + |
| Start | 45721 | End | 50892 |
| Name | OJ990531_42.9922.C1.o9.gs | Method | GENSCAN |
| Start | 48612 | End | 49658 |
| GI | none | Score | .84 |
| Exons | 48612..49658 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14463 | Strand | + |
| Start | 45721 | End | 50892 |
| Name | OJ990531_42.9922.C1.o10.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 49858 | End | 50892 |
| GI | none | Score | 1 |
| Exons | 49858..50892 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14464 | Strand | + |
| Start | 54930 | End | 57582 |
| Name | OJ990531_42.9922.C1.o12.gs | Method | GENSCAN |
| Start | 54930 | End | 57582 |
| GI | none | Score | .62 |
| Exons | 54930..55044, 56268..56334, 56483..56628, 56948..57582 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14464 | Strand | + |
| Start | 54930 | End | 57582 |
| Name | OJ990531_42.9922.C1.o8.np | Method | AAT/NAP |
| Start | 56123 | End | 57579 |
| GI | 2392772 | Score | 162 |
| Exons | 56123..56157, 57371..57579 | | |
| GI Descrip. | (AC002534) putative chloroplast prephenate dehydratase [Arabidopsis thaliana] | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14465 | Strand | + |
| Start | 63819 | End | 66966 |
| Name | OJ990531_42.9922.C1.o14.gs | Method | GENSCAN |
| Start | 63819 | End | 66966 |
| GI | none | Score | .9 |
| Exons | 63819..64047, 65308..65367, 65714..65773, 65854..65949, 66160..66267, 66433..66486, 66671..66810, 66895..66966 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14465 | Strand | + |
| Start | 63819 | End | 66966 |
| Name | OJ990531_42.9922.C1.o9.np | Method | AAT/NAP |
| Start | 63819 | End | 65805 |
| GI | 6907105 | Score | 454 |
| Exons | 63819..64087, 65294..65377, 65664..65805 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14466 | Strand | - |
| Start | 921 | End | 8366 |
| Name | OJ990531_42.9922.C1.o1.gs | Method | GENSCAN |
| Start | 921 | End | 8366 |
| GI | none | Score | .69 |
| Exons | 921..1208, 1830..2060, 2228..2485, 2583..4055, 4157..4315, 4428..4483, 4840..4966, 5054..5863, 6354..6590, 6667..6820, 6907..7623, 8098..8366 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14466 | Strand | - |
| Start | 921 | End | 8366 |
| Name | OJ990531_42.9922.C1.o1.np | Method | AAT/NAP |
| Start | 1809 | End | 7363 |
| GI | 5902400 | Score | 3026 |
| Exons | 1809..2060, 2228..2485, 2583..3734, 3897..4049, 4154..4315, | | |

4428..4554, 4635..4966, 5054..5863, 6252..6590, 6667..6820, 6907..7363

GI Descrip. (AC008148) Unknown protein [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14466 | Strand | - |
| Start | 921 | End | 8366 |
| Name | OJ990531_42.9922.C1.o1.gp | Method | AAT/GAP |
| Start | 2612 | End | 2860 |
| GI | 568619 | Score | 490 |
| Exons | 2612..2860 | | |
| GI Descrip. | 5902400/gb\|AAD55502.1\|AC008148_12 1.0e-32 (AC008148) Unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14466 | Strand | - |
| Start | 921 | End | 8366 |
| Name | OJ990531_42.9922.C1.o2.gp | Method | AAT/GAP |
| Start | 3315 | End | 3808 |
| GI | uC-osf1M202062d03b1 | Score | 984 |
| Exons | 3315..3808 | | |
| GI Descrip. | '5042437/gb\|AC007789.1\|AC007789 1.0e-65 Oryza sativa BAC T49B20 genomic sequence, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14467 | Strand | - |
| Start | 12587 | End | 17158 |
| Name | OJ990531_42.9922.C1.o2.gs | Method | GENSCAN |
| Start | 12587 | End | 16331 |
| GI | none | Score | .7 |
| Exons | 12587..12943, 13159..13325, 15223..15277, 16036..16097, 16301..16331 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14467 | Strand | - |
| Start | 12587 | End | 17158 |
| Name | OJ990531_42.9922.C1.o3.np | Method | AAT/NAP |
| Start | 15173 | End | 17158 |
| GI | 6539570 | Score | 198 |
| Exons | 15173..15229, 16719..16796, 16956..17158 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14468 | Strand | - |
| Start | 17285 | End | 18629 |
| Name | OJ990531_42.9922.C1.o4.np | Method | AAT/NAP |
| Start | 17285 | End | 18629 |
| GI | 6630699 | Score | 97 |
| Exons | 17285..17362, 18536..18629 | | |
| GI Descrip. | (AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14469 | Strand | - |
| Start | 33689 | End | 34041 |
| Name | OJ990531_42.9922.C1.o5.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 33689 | End | 34041 |
| GI | none | Score | 670 |
| Exons | 33689..34041 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14470 | Strand | - |
| Start | 36776 | End | 38256 |
| Name | OJ990531_42.9922.C1.o5.np | Method | AAT/NAP |
| Start | 36748 | End | 38256 |
| GI | 5902399 | Score | 235 |
| Exons | 36748..36849, 37771..38256 | | |
| GI Descrip. | (AC008148) Hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14470 | Strand | - |
| Start | 36776 | End | 38256 |
| Name | OJ990531_42.9922.C1.o6.gs | Method | GENSCAN |
| Start | 36776 | End | 38211 |
| GI | none | Score | .66 |
| Exons | 36776..36832, 37642..38211 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14471 | Strand | - |
| Start | 40646 | End | 44312 |
| Name | OJ990531_42.9922.C1.o7.gs | Method | GENSCAN |
| Start | 40646 | End | 44312 |
| GI | none | Score | .67 |
| Exons | 40646..40672, 41789..42038, 42251..42425, 42459..42586, 42607..42880, 44002..44194, 44307..44312 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14472 | Strand | - |
| Start | 51208 | End | 54100 |
| Name | OJ990531_42.9922.C1.o11.gs | Method | GENSCAN |
| Start | 51208 | End | 54100 |
| GI | none | Score | .81 |
| Exons | 51208..51617, 51908..52097, 52171..52358, 52436..52794, 52877..53166, 53252..53550, 53971..54100 | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14472 | Strand | - |
| Start | 51208 | End | 54100 |
| Name | OJ990531_42.9922.C1.o7.np | Method | AAT/NAP |
| Start | 51211 | End | 54100 |
| GI | 6691716 | Score | 2460 |
| Exons | 51211..51660, 51732..51836, 51986..52097, 52171..52358, 52436..52612, 52689..52794, 52877..53051, 53248..54100 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 1812 | End | 2885 |
| GI | none | Score | 222 |

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|---|---|---|---|
| Exons | 1812..2051, 1813..1971, 1813..2052, 2228..2359, 2229..2348, 2231..2362, 2345..2488, 2364..2489, 2580..2885, 2581..2880 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 1887 | End | 3503 |
| GI | none | Score | 186 |
| Exons | 1887..2057, 1887..2066, 2204..2488, 2225..2488, 2229..2489, 2229..2489, 2580..2993, 2580..2993, 2581..2994, 2989..3459, 3003..3458, 3464..3502, 3465..3503 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o4.tc | Method | TBLASTX:Cress |
| Start | 1947 | End | 2489 |
| GI | none | Score | 81 |
| Exons | 1947..2066, 2207..2344, 2218..2343, 2225..2359, 2229..2348, 2345..2488, 2346..2489 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o2.tc | Method | TBLASTX:Cress |
| Start | 2593 | End | 2885 |
| GI | none | Score | 221 |
| Exons | 2593..2880, 2595..2885, 2628..2885 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o6.ts | Method | TBLASTX:Soybean |
| Start | 3039 | End | 3428 |
| GI | none | Score | 71 |
| Exons | 3039..3140, 3156..3362, 3158..3340, 3366..3428 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o6.tm | Method | TBLASTX:Maize |
| Start | 4147 | End | 4554 |
| GI | none | Score | 145 |
| Exons | 4147..4317, 4150..4317, 4151..4321, 4154..4318, 4425..4553, 4429..4554, 4429..4554 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 4455 | End | 4960 |
| GI | none | Score | 266 |
| Exons | 4455..4553, 4631..4870, 4635..4859, 4637..4870, 4871..4960, 4881..4958 | | |
| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |

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| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o2.ts | Method | TBLASTX:Soybean |
| Start | 4504 | End | 4969 |
| GI | none | Score | 64 |
| Exons | 4504..4551, 4506..4553, 4613..4969, 4635..4967 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 4629 | End | 5254 |
| GI | none | Score | 451 |
| Exons | 4629..4967, 4631..4969, 5048..5176, 5054..5176, 5055..5186, 5146..5250, 5147..5254, 5150..5251 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o8.tw | Method | TBLASTX:Wheat |
| Start | 5229 | End | 5756 |
| GI | none | Score | 65 |
| Exons | 5229..5363, 5231..5335, 5391..5462, 5392..5472, 5392..5493, 5489..5590, 5489..5590, 5492..5560, 5586..5678, 5613..5675, 5674..5751, 5687..5755, 5688..5756 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o8.tm | Method | TBLASTX:Maize |
| Start | 5537 | End | 6423 |
| GI | none | Score | 198 |
| Exons | 5537..5701, 5711..5863, 5712..5864, 6243..6419, 6247..6423, 6250..6414, 6251..6415 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o5.tc | Method | TBLASTX:Cress |
| Start | 5729 | End | 6455 |
| GI | none | Score | 119 |
| Exons | 5729..5863, 5733..5864, 5740..5874, 6243..6344, 6250..6366, 6336..6455 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o3.tc | Method | TBLASTX:Cress |
| Start | 6456 | End | 6965 |
| GI | none | Score | 94 |
| Exons | 6456..6494, 6489..6599, 6635..6853, 6667..6822, 6885..6965 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o3.ts | Method | TBLASTX:Soybean |
| Start | 6487 | End | 7061 |

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|---|---|---|---|
| GI | none | Score | 111 |
| Exons | 6487..6609, 6489..6599, 6496..6600, 6665..6823, 6667..6822, 6883..7059, 6885..7058, 6909..7061 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o9.tm | Method | TBLASTX:Maize |
| Start | 6760 | End | 7148 |
| GI | none | Score | 92 |
| Exons | 6760..6822, 6883..6984, 6885..6983, 6969..7148, 6970..7125 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o7.ts | Method | TBLASTX:Soybean |
| Start | 37774 | End | 38235 |
| GI | none | Score | 194 |
| Exons | 37774..37887, 38023..38235 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o7.tm | Method | TBLASTX:Maize |
| Start | 37984 | End | 38236 |
| GI | none | Score | 112 |
| Exons | 37984..38016, 38026..38235, 38032..38133, 38036..38236 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o7.tw | Method | TBLASTX:Wheat |
| Start | 47061 | End | 47518 |
| GI | none | Score | 146 |
| Exons | 47061..47237, 47280..47516, 47282..47518 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o4.tw | Method | TBLASTX:Wheat |
| Start | 47703 | End | 48062 |
| GI | none | Score | 405 |
| Exons | 47703..48062, 47717..48061 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o5.tm | Method | TBLASTX:Maize |
| Start | 47868 | End | 48224 |
| GI | none | Score | 353 |
| Exons | 47868..48224, 47909..48214 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 48093 | End | 48512 |

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| GI | none | Score | 480 |
| Exons | 48093..48512, 48095..48292, 48105..48308, 48359..48511 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o4.ts | Method | TBLASTX:Soybean |
| Start | 48357 | End | 48788 |
| GI | none | Score | 271 |
| Exons | 48357..48788, 48404..48529, 48420..48701 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o4.tm | Method | TBLASTX:Maize |
| Start | 48455 | End | 48899 |
| GI | none | Score | 264 |
| Exons | 48455..48706, 48456..48707, 48732..48875, 48744..48863, 48873..48899 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o5.tw | Method | TBLASTX:Wheat |
| Start | 48558 | End | 48986 |
| GI | none | Score | 400 |
| Exons | 48558..48986 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o5.ts | Method | TBLASTX:Soybean |
| Start | 49011 | End | 49402 |
| GI | none | Score | 89 |
| Exons | 49011..49112, 49022..49108, 49154..49402, 49158..49400 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o3.tw | Method | TBLASTX:Wheat |
| Start | 49023 | End | 49445 |
| GI | none | Score | 409 |
| Exons | 49023..49445, 49028..49369 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o11.tm | Method | TBLASTX:Maize |
| Start | 49076 | End | 49349 |
| GI | none | Score | 126 |
| Exons | 49076..49246, 49077..49247, 49251..49349, 49283..49348 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o10.tw | Method | TBLASTX:Wheat |
| Start | 49461 | End | 49760 |

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|---|---|---|---|
| GI | none | Score | 135 |
| Exons | 49461..49595, 49494..49634, 49617..49760 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o3.tm | Method | TBLASTX:Maize |
| Start | 49758 | End | 50121 |
| GI | none | Score | 173 |
| Exons | 49758..49916, 49778..49912, 49911..50084, 49912..50082, 50074..50121 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o6.tw | Method | TBLASTX:Wheat |
| Start | 49764 | End | 50153 |
| GI | none | Score | 163 |
| Exons | 49764..49916, 49772..49912, 49911..50075, 49912..50151, 49972..50133, 50106..50153 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o2.tw | Method | TBLASTX:Wheat |
| Start | 50265 | End | 50862 |
| GI | none | Score | 387 |
| Exons | 50265..50354, 50266..50757, 50421..50528, 50743..50862 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o10.tm | Method | TBLASTX:Maize |
| Start | 50587 | End | 50841 |
| GI | none | Score | 160 |
| Exons | 50587..50760, 50700..50759, 50739..50840, 50740..50841 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o9.tw | Method | TBLASTX:Wheat |
| Start | 53690 | End | 53977 |
| GI | none | Score | 204 |
| Exons | 53690..53977 | | |

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| Seq. No. | 6898 | Seq. ID | OJ990531_42.9922.C1 |
| Gene No. | 14473 | Strand | - |
| Start | 58571 | End | 62636 |
| Name | OJ990531_42.9922.C1.o13.gs | Method | GENSCAN |
| Start | 58571 | End | 62636 |
| GI | none | Score | 64 |
| Exons | 58571..58764, 58854..59126, 60997..61068, 62630..62636 | | |

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| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1 | End | 2954 |
| GI | 6539581 | Score | 2376 |
| Exons | 1..31, 93..136, 342..789, 895..2733, 2808..2954 | | |
| GI Descrip. | (AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.gs | Method | GENSCAN |
| Start | 72 | End | 2960 |
| GI | none | Score | .97 |
| Exons | 72..146, 334..2733, 2808..2960 | | |

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| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 886 | End | 1278 |
| GI | none | Score | 66 |
| Exons | 886..984, 988..1278 | | |

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| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 889 | End | 1110 |
| GI | none | Score | 227 |
| Exons | 889..1110 | | |

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| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 1105 | End | 1425 |
| GI | none | Score | 228 |
| Exons | 1105..1425, 1132..1326 | | |

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| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 1111 | End | 1494 |
| GI | none | Score | 283 |
| Exons | 1111..1494, 1114..1482 | | |

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|---|---|---|---|
| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |
| Name | OJ990531_42.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 1170 | End | 1713 |
| GI | none | Score | 93 |
| Exons | 1170..1322, 1171..1713, 1171..1506 | | |

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|---|---|---|---|
| Seq. No. | 6899 | Seq. ID | OJ990531_42.9922.C2 |
| Gene No. | 14474 | Strand | + |
| Start | 1 | End | 2960 |

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|---|---|---|---|
| Name | OJ990531_42.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 1345 | End | 1776 |
| GI | none | Score | 246 |
| Exons | 1345..1776, 1351..1482, 1581..1775 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14475 | Strand | + |
| Start | 4298 | End | 4379 |
| Name | OJ990531_42.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 4298 | End | 4379 |
| GI | LIB3474-001-P1-K1-D2 | Score | 83 |
| Exons | 4298..4379 | | |
| GI Descrip. | '3123271/sp\|P51430\|RS6_ARATH 8.0e-36 40S RIBOSOMAL PROTEIN S6 >gi_2224751_emb_CAA74381_ (Y14052) ribosomal protein S6 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14476 | Strand | + |
| Start | 7002 | End | 14047 |
| Name | OJ990531_42.9922.C3.o2.np | Method | AAT/NAP |
| Start | 7002 | End | 10324 |
| GI | 6721512 | Score | 102 |
| Exons | 7002..7037, 8584..8708, 8736..8874, 10293..10324 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14476 | Strand | + |
| Start | 7002 | End | 14047 |
| Name | OJ990531_42.9922.C3.o2.gs | Method | GENSCAN |
| Start | 10128 | End | 14047 |
| GI | none | Score | .45 |
| Exons | 10128..10216, 13840..14047 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14477 | Strand | - |
| Start | 1 | End | 8661 |
| Name | OJ990531_42.9922.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3935 |
| GI | 6539580 | Score | 1070 |
| Exons | 1..153, 588..700, 753..853, 951..1087, 1361..1476, 1567..1655, 1755..1829, 1949..2174, 2263..2442, 2528..3153, 3252..3375, 3450..3533, 3858..3935 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14477 | Strand | - |
| Start | 1 | End | 8661 |
| Name | OJ990531_42.9922.C3.o1.gs | Method | GENSCAN |
| Start | 211 | End | 8661 |
| GI | none | Score | .63 |
| Exons | 211..219, 605..700, 930..1102, 1428..1476, 1570..1668, 1762..1853, 1949..2174, 2269..2442, 2528..3151, 3232..3375, 3450..3560, 3858..3992, 4316..4424, 5715..5873, 5949..6176, 8438..8661 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14478 | Strand | - |

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|---|---|---|---|
| Start | 15342 | End | 21870 |
| Name | OJ990531_42.9922.C3.o3.gs | Method | GENSCAN |
| Start | 15342 | End | 21870 |
| GI | none | Score | .46 |
| Exons | 15342..15492, 16607..16779, 21853..21870 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o4.gs | Method | GENSCAN |
| Start | 24607 | End | 26926 |
| GI | none | Score | .79 |
| Exons | 24607..25450, 26000..26241, 26326..26555, 26570..26632, 26638..26926 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o3.np | Method | AAT/NAP |
| Start | 24619 | End | 26920 |
| GI | 4204278 | Score | 1276 |
| Exons | 24619..25450, 26000..26241, 26326..26555, 26638..26920 | | |
| GI Descrip. | (AC004146) putative Cytochrome P450 protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 24667 | End | 24945 |
| GI | none | Score | 84 |
| Exons | 24667..24786, 24854..24943, 24865..24945 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 24667 | End | 26163 |
| GI | none | Score | 88 |
| Exons | 24667..24783, 24851..24943, 24865..24969, 24958..25080, 24989..25051, 25090..25227, 25091..25225, 25129..25227, 26005..26163 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 24667 | End | 26556 |
| GI | none | Score | 68 |
| Exons | 24667..24783, 24851..24943, 24865..24957, 24949..25227, 25091..25225, 26053..26166, 26323..26415, 26476..26556 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 24967 | End | 25227 |

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|---|---|---|---|
| GI | none | Score | 47 |
| Exons | 24967..25071, 24983..25042, 25087..25227, 25088..25213 | | |

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|---|---|---|---|
| Seq. No. | 6900 | Seq. ID | OJ990531_42.9922.C3 |
| Gene No. | 14479 | Strand | - |
| Start | 24607 | End | 26926 |
| Name | OJ990531_42.9922.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 26476 | End | 26839 |
| GI | none | Score | 45 |
| Exons | 26476..26556, 26491..26571, 26633..26839, 26637..26702 | | |

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|---|---|---|---|
| Seq. No. | 6901 | Seq. ID | OJ990531_42.9922.C4 |
| Gene No. | 14480 | Strand | + |
| Start | 47 | End | 577 |
| Name | OJ990531_42.9922.C4.o1.gs | Method | GENSCAN |
| Start | 47 | End | 577 |
| GI | none | Score | .79 |
| Exons | 47..101, 510..577 | | |

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| Seq. No. | 6902 | Seq. ID | OJ990531_37.9922.C2 |
| Gene No. | 14481 | Strand | - |
| Start | 1279 | End | 1370 |
| Name | OJ990531_37.9922.C2.o1.gs | Method | GENSCAN |
| Start | 1279 | End | 1370 |
| GI | none | Score | .51 |
| Exons | 1279..1370 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14482 | Strand | + |
| Start | 2367 | End | 18659 |
| Name | OJ990531_37.9922.C3.o2.np | Method | AAT/NAP |
| Start | 2367 | End | 11516 |
| GI | 6006375 | Score | 1739 |
| Exons | 2367..2981, 10531..10689, 10969..11516 | | |
| GI Descrip. | (AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14482 | Strand | + |
| Start | 2367 | End | 18659 |
| Name | OJ990531_37.9922.C3.o2.gs | Method | GENSCAN |
| Start | 3853 | End | 16420 |
| GI | none | Score | .78 |
| Exons | 3853..4540, 4772..4924, 4997..5028, 5119..5510, 5563..5801, 5949..6080, 6173..6921, 7086..7315, 8238..8392, 8618..8757, 8830..9006, 10258..10374, 10477..10882, 11306..11563, 11836..11963, 13038..13071, 14123..14530, 16268..16384, 16413..16420 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14482 | Strand | + |
| Start | 2367 | End | 18659 |
| Name | OJ990531_37.9922.C3.o4.np | Method | AAT/NAP |
| Start | 12780 | End | 16738 |
| GI | 665934 | Score | 41 |
| Exons | 12780..12802, 14253..14466, 16718..16738 | | |
| GI Descrip. | (U20341) ORF III [Cassava vein mosaic virus] gi\|1399884 (U59751) | | |

ORF 3 [Cassava vein mosaic virus]

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14482 | Strand | + |
| Start | 2367 | End | 18659 |
| Name | OJ990531_37.9922.C3.o3.np | Method | AAT/NAP |
| Start | 13090 | End | 18659 |
| GI | 6006374 | Score | 381 |
| Exons | 13090..13127, 13665..14040, 18589..18659 | | |
| GI Descrip. | (AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14483 | Strand | + |
| Start | 27938 | End | 34227 |
| Name | OJ990531_37.9922.C3.o4.gs | Method | GENSCAN |
| Start | 27938 | End | 34227 |
| GI | none | Score | .63 |
| Exons | 27938..27970, 28157..28275, 28406..28831, 28963..29030, 29193..29261, 30987..31206, 31283..31404, 32054..32127, 32156..32258, 32584..32707, 34107..34227 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14484 | Strand | + |
| Start | 36719 | End | 42194 |
| Name | OJ990531_37.9922.C3.o5.gs | Method | GENSCAN |
| Start | 36719 | End | 42194 |
| GI | none | Score | .49 |
| Exons | 36719..36769, 37402..37537, 39645..39764, 40411..40614, 40842..41143, 41919..42194 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 43734 | End | 45003 |
| GI | uC-osflcyp122g10b1 | Score | 873 |
| Exons | 43734..43917, 44184..44262, 44391..44431, 44730..44808, 44891..45003 | | |
| GI Descrip. | '2130080/pir\|\|S62667 3.0e-16 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o6.gs | Method | GENSCAN |
| Start | 43807 | End | 47908 |
| GI | none | Score | .87 |
| Exons | 43807..43917, 44730..44808, 44891..44995, 46329..46510, 46610..46679, 46970..47143, 47425..47529, 47757..47908 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |

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|---|---|---|---|
| Name | OJ990531_37.9922.C3.o7.np | Method | AAT/NAP |
| Start | 44103 | End | 50647 |
| GI | 2130080 | Score | 1596 |
| Exons | 44103..44262, 44391..44431, 44730..44808, 44891..44995, 45995..46104, 46329..46510, 46610..46679, 46970..47143, 47425..47529, 48516..48647, 49243..49338, 50348..50647 | | |
| GI Descrip. | Nramp1 protein - rice gi\|1470320\|bbs\|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi\|2231132 (L41217) integral membrane protein [Oryza sativa] | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o3.gp | Method | AAT/GAP |
| Start | 45989 | End | 46404 |
| GI | 2796935 | Score | 350 |
| Exons | 45989..46104, 46329..46404 | | |
| GI Descrip. | 2130080/pir\|\|S62667 3.0e-16 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa] | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o4.gp | Method | AAT/GAP |
| Start | 46979 | End | 48576 |
| GI | uC-osf1M202092b11b1 | Score | 590 |
| Exons | 46979..47143, 47425..47529, 48516..48576 | | |
| GI Descrip. | '2130080/pir\|\|S62667 1.0e-43 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o7.gs | Method | GENSCAN |
| Start | 48410 | End | 49844 |
| GI | none | Score | .47 |
| Exons | 48410..48505, 48516..48647, 49243..49338, 49656..49844 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14485 | Strand | + |
| Start | 43807 | End | 50976 |
| Name | OJ990531_37.9922.C3.o5.gp | Method | AAT/GAP |
| Start | 50356 | End | 50976 |
| GI | 16607_1.R1084 | Score | 1222 |
| Exons | 50356..50976 | | |
| GI Descrip. | '5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]' | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |

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|---|---|---|---|
| Gene No. | 14486 | Strand | + |
| Start | 57911 | End | 62743 |
| Name | OJ990531_37.9922.C3.o9.gs | Method | GENSCAN |
| Start | 57911 | End | 62743 |
| GI | none | Score | .62 |
| Exons | 57911..57975, 58191..58408, 61568..61632, 61973..62021, 62123..62165, 62273..62393, 62477..62743 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14487 | Strand | + |
| Start | 63607 | End | 63909 |
| Name | OJ990531_37.9922.C3.o10.gs | Method | GENSCAN |
| Start | 63607 | End | 63909 |
| GI | none | Score | .95 |
| Exons | 63607..63909 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14488 | Strand | + |
| Start | 65299 | End | 69461 |
| Name | OJ990531_37.9922.C3.o8.np | Method | AAT/NAP |
| Start | 65299 | End | 66769 |
| GI | 5852182 | Score | 413 |
| Exons | 65299..65319, 66440..66769 | | |
| GI Descrip. | (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14488 | Strand | + |
| Start | 65299 | End | 69461 |
| Name | OJ990531_37.9922.C3.o6.gp | Method | AAT/GAP |
| Start | 65991 | End | 66579 |
| GI | 2310235 | Score | 293 |
| Exons | 65991..66028, 66440..66579 | | |
| GI Descrip. | 5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14488 | Strand | + |
| Start | 65299 | End | 69461 |
| Name | OJ990531_37.9922.C3.o12.gs | Method | GENSCAN |
| Start | 66440 | End | 69436 |
| GI | none | Score | .98 |
| Exons | 66440..69436 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14488 | Strand | + |
| Start | 65299 | End | 69461 |
| Name | OJ990531_37.9922.C3.o7.gp | Method | AAT/GAP |
| Start | 66444 | End | 69461 |
| GI | 342_1.R1084 | Score | 5171 |
| Exons | 66444..69461 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14488 | Strand | + |
| Start | 65299 | End | 69461 |
| Name | OJ990531_37.9922.C3.o9.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 67253 | End | 69213 |
| GI | 6742729 | Score | 3179 |
| Exons | 67253..69213 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o1.gs | Method | GENSCAN |
| Start | 337 | End | 3532 |
| GI | none | Score | .82 |
| Exons | 337..732, 1482..1607, 1636..1794, 3338..3532 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o1.np | Method | AAT/NAP |
| Start | 1438 | End | 17154 |
| GI | 4680183 | Score | 187 |
| Exons | 1438..1527, 2136..2229, 17127..17154 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o5.np | Method | AAT/NAP |
| Start | 5321 | End | 56472 |
| GI | 3183637 | Score | 26 |
| Exons | 5321..5390, 16360..16408, 19936..20034, 43688..43736, 56379..56472 | | |
| GI Descrip. | (AJ002234) polyprotein, cleavage products include viral coat protein and proteins with homology to an aspartic protease, reverse transcriptase and RNase H [banana streak virus] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 11963 | End | 12108 |
| GI | 20088_1.R1084 | Score | 209 |
| Exons | 11963..12108 | | |
| GI Descrip. | '6041757/gb\|AC011806.1\|AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o3.gs | Method | GENSCAN |
| Start | 20480 | End | 26980 |
| GI | none | Score | .55 |
| Exons | 20480..20575, 20945..21017, 21600..21793, 22437..22555, 22587..22700, 23631..23822, 23882..23951, 24139..24339, 25662..25789, 26962..26980 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |

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|---|---|---|---|
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o6.np | Method | AAT/NAP |
| Start | 21753 | End | 24451 |
| GI | 6714272 | Score | 65 |
| Exons | 21753..21776, 22933..23142, 24314..24451 | | |
| GI Descrip. | (AC017118) F6N18.8 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14489 | Strand | - |
| Start | 337 | End | 56472 |
| Name | OJ990531_37.9922.C3.o8.gs | Method | GENSCAN |
| Start | 50297 | End | 55727 |
| GI | none | Score | .76 |
| Exons | 50297..50785, 51482..51696, 51773..51840, 52295..52410, 54188..54268, 55680..55727 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o3.tc | Method | TBLASTX:Cress |
| Start | 3913 | End | 6372 |
| GI | none | Score | 91 |
| Exons | 3913..4026, 4768..4995, 5056..5355, 5395..5484, 6175..6372 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o5.ts | Method | TBLASTX:Soybean |
| Start | 6160 | End | 6372 |
| GI | none | Score | 149 |
| Exons | 6160..6285, 6169..6285, 6292..6372 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o6.tw | Method | TBLASTX:Wheat |
| Start | 6175 | End | 67350 |
| GI | none | Score | 223 |
| Exons | 6175..6414, 6177..6311, 67258..67350 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o4.tm | Method | TBLASTX:Maize |
| Start | 22935 | End | 23302 |
| GI | none | Score | 89 |
| Exons | 22935..23000, 23056..23142, 23198..23302 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o5.tw | Method | TBLASTX:Wheat |
| Start | 34367 | End | 34733 |
| GI | none | Score | 86 |
| Exons | 34367..34408, 34405..34677, 34408..34626, 34698..34733 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |

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| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o5.tm | Method | TBLASTX:Maize |
| Start | 34468 | End | 34860 |
| GI | none | Score | 63 |
| Exons | 34468..34587, 34477..34572, 34675..34860, 34698..34841 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o2.ts | Method | TBLASTX:Soybean |
| Start | 44720 | End | 46070 |
| GI | none | Score | 124 |
| Exons | 44720..44809, 44727..44810, 44889..44999, 44890..45000, 45985..46044, 45990..46070 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o3.tm | Method | TBLASTX:Maize |
| Start | 46002 | End | 46516 |
| GI | none | Score | 100 |
| Exons | 46002..46106, 46002..46106, 46003..46107, 46006..46107, 46313..46516, 46329..46511 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o4.ts | Method | TBLASTX:Soybean |
| Start | 46359 | End | 46685 |
| GI | none | Score | 141 |
| Exons | 46359..46493, 46361..46492, 46581..46685, 46613..46684 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o11.gs | Method | GENSCAN |
| Start | 64111 | End | 64351 |
| GI | none | Score | .45 |
| Exons | 64111..64231, 64242..64351 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o4.tw | Method | TBLASTX:Wheat |
| Start | 66746 | End | 67142 |
| GI | none | Score | 104 |
| Exons | 66746..66898, 66881..67132, 66889..67131, 66891..67142 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 67063 | End | 67492 |
| GI | none | Score | 102 |
| Exons | 67063..67146, 67064..67138, 67139..67201, 67196..67492, 67250..67474 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 67225 | End | 67573 |
| GI | none | Score | 318 |
| Exons | 67225..67377, 67232..67573, 67417..67554 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o2.tw | Method | TBLASTX:Wheat |
| Start | 67361 | End | 67830 |
| GI | none | Score | 72 |
| Exons | 67361..67414, 67369..67413, 67415..67519, 67426..67515, 67523..67621, 67528..67620, 67601..67825, 67621..67830, 67622..67825, 67624..67830 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 67406 | End | 67864 |
| GI | none | Score | 247 |
| Exons | 67406..67660, 67418..67660, 67670..67864 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14490 | Strand | - |
| Start | 64111 | End | 67936 |
| Name | OJ990531_37.9922.C3.o3.ts | Method | TBLASTX:Soybean |
| Start | 67694 | End | 67936 |
| GI | none | Score | 216 |
| Exons | 67694..67936 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14491 | Strand | |
| Start | 67969 | End | 68379 |
| Name | OJ990531_37.9922.C3.o3.tw | Method | TBLASTX:Wheat |
| Start | 67969 | End | 68379 |
| GI | none | Score | 87 |
| Exons | 67969..68019, 67970..68032, 68038..68220, 68042..68260, 68293..68379, 68294..68377 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14492 | Strand | |
| Start | 68380 | End | 69460 |
| Name | OJ990531_37.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 68380 | End | 69460 |
| GI | none | Score | 886 |
| Exons | 68380..69282, 68381..69298, 69293..69337, 69297..69332, 69344..69403, 69382..69456, 69383..69460 | | |

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|---|---|---|---|
| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14492 | Strand | |
| Start | 68380 | End | 69460 |
| Name | OJ990531_37.9922.C3.o2.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 68423 | End | 68737 |
| GI | none | Score | 318 |
| Exons | 68423..68737, 68434..68709, 68507..68737 | | |

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| Seq. No. | 6903 | Seq. ID | OJ990531_37.9922.C3 |
| Gene No. | 14492 | Strand | |
| Start | 68380 | End | 69460 |
| Name | OJ990531_37.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 68664 | End | 69115 |
| GI | none | Score | 175 |
| Exons | 68664..68846, 68668..69105, 68668..69111, 68672..69115, 68678..69115 | | |

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|---|---|---|---|
| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14493 | Strand | + |
| Start | 1117 | End | 5383 |
| Name | OJ990531_37.9922.C4.o2.np | Method | AAT/NAP |
| Start | 1117 | End | 5383 |
| GI | 4680204 | Score | 1061 |
| Exons | 1117..2553, 2628..3724, 3834..4007, 4104..4323, 4674..4773, 5346..5383 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14493 | Strand | + |
| Start | 1117 | End | 5383 |
| Name | OJ990531_37.9922.C4.o3.np | Method | AAT/NAP |
| Start | 1117 | End | 4811 |
| GI | 4680204 | Score | 1059 |
| Exons | 1117..2553, 2628..3724, 3834..4007, 4104..4323, 4674..4811 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14493 | Strand | + |
| Start | 1117 | End | 5383 |
| Name | OJ990531_37.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 5127 | End | 5273 |
| GI | 21474_1.R1084 | Score | 249 |
| Exons | 5127..5273 | | |
| GI Descrip. | '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14494 | Strand | + |
| Start | 7431 | End | 9398 |
| Name | OJ990531_37.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 1760 | End | 2163 |
| GI | none | Score | 60 |
| Exons | 1760..1900, 1760..1876, 1762..1998, 1762..1911, 1863..2030, 1993..2163 | | |

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| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14494 | Strand | + |
| Start | 7431 | End | 9398 |
| Name | OJ990531_37.9922.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 3651 | End | 4173 |
| GI | none | Score | 60 |

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|---|---|---|---|
| Exons | 3651..3731, 3820..4002, 3870..3995, 4102..4173 | | |
| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14494 | Strand | + |
| Start | 7431 | End | 9398 |
| Name | OJ990531_37.9922.C4.o4.np | Method | AAT/NAP |
| Start | 7431 | End | 9398 |
| GI | 4538896 | Score | 1253 |
| Exons | 7431..7867, 7976..8490, 8551..9398 | | |
| GI Descrip. | (AL049482) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14494 | Strand | + |
| Start | 7431 | End | 9398 |
| Name | OJ990531_37.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 8164 | End | 8391 |
| GI | none | Score | 198 |
| Exons | 8164..8391, 8165..8374 | | |
| Seq. No. | 6904 | Seq. ID | OJ990531_37.9922.C4 |
| Gene No. | 14494 | Strand | + |
| Start | 7431 | End | 9398 |
| Name | OJ990531_37.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 8407 | End | 8788 |
| GI | none | Score | 254 |
| Exons | 8407..8559, 8411..8692, 8582..8692, 8696..8788, 8717..8788 | | |
| Seq. No. | 6905 | Seq. ID | OJ990531_37.9922.C7 |
| Gene No. | 14495 | Strand | + |
| Start | 1 | End | 1059 |
| Name | OJ990531_37.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 880 |
| GI | 342_1.R1084 | Score | 1086 |
| Exons | 1..210, 329..433, 543..880 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |
| Seq. No. | 6905 | Seq. ID | OJ990531_37.9922.C7 |
| Gene No. | 14495 | Strand | + |
| Start | 1 | End | 1059 |
| Name | OJ990531_37.9922.C7.o2.gp | Method | AAT/GAP |
| Start | 1 | End | 1059 |
| GI | 342_1.R1084 | Score | 1364 |
| Exons | 1..210, 329..433, 543..1059 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |
| Seq. No. | 6905 | Seq. ID | OJ990531_37.9922.C7 |
| Gene No. | 14495 | Strand | + |
| Start | 1 | End | 1059 |
| Name | OJ990531_37.9922.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 105 |
| GI | 4680203 | Score | 94 |
| Exons | 1..105 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |
| Seq. No. | 6905 | Seq. ID | OJ990531_37.9922.C7 |

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|---|---|---|---|
| Gene No. | 14495 | Strand | + |
| Start | 1 | End | 1059 |
| Name | OJ990531_37.9922.C7.o1.gs | Method | GENSCAN |
| Start | 54 | End | 146 |
| GI | none | Score | .74 |
| Exons | 54..146 | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o1.np | Method | AAT/NAP |
| Start | 218 | End | 9369 |
| GI | 5734779 | Score | 805 |
| Exons | 218..570, 1209..1349, 1516..1662, 1920..2072, 2209..2350, 2701..2785, 4037..4151, 9329..9369 | | |
| GI Descrip. | (AC007980) 78688 [Arabidopsis thaliana] | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o1.gs | Method | GENSCAN |
| Start | 247 | End | 9241 |
| GI | none | Score | .85 |
| Exons | 247..570, 610..699, 1209..1349, 1441..1662, 1920..2072, 2203..2338, 2701..2785, 4037..4145, 4777..4963, 5041..5156, 5233..5336, 5416..5500, 6381..6548, 6993..7076, 7150..7248, 8599..8662, 9175..9241 | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 1202 | End | 2042 |
| GI | none | Score | 164 |
| Exons | 1202..1351, 1209..1337, 1518..1673, 1519..1662, 1923..2042, 1946..2038 | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o1.gp | Method | AAT/GAP |
| Start | 1209 | End | 2267 |
| GI | uC-osflm202109f12b1 | Score | 838 |
| Exons | 1209..1349, 1516..1662, 1920..2072, 2203..2267 | | |
| GI Descrip. | '5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04' | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 2209 | End | 2825 |
| GI | none | Score | 186 |
| Exons | 2209..2340, 2209..2346, 2527..2595, 2709..2783, 2715..2825 | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |

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|---|---|---|---|
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o2.np | Method | AAT/NAP |
| Start | 4765 | End | 6491 |
| GI | 5002521 | Score | 153 |
| Exons | 4765..4963, 5041..5156, 5233..5336, 5416..5500, 6378..6491 | | |
| GI Descrip. | (AL078606) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6906 | Seq. ID | OJ990531_37.9922.C9 |
| Gene No. | 14496 | Strand | + |
| Start | 218 | End | 9369 |
| Name | OJ990531_37.9922.C9.o2.gp | Method | AAT/GAP |
| Start | 6379 | End | 6935 |
| GI | 2312133 | Score | 769 |
| Exons | 6379..6740, 6830..6935 | | |

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| Seq. No. | 6907 | Seq. ID | OJ990531_37.9922.C10 |
| Gene No. | 14497 | Strand | + |
| Start | 588 | End | 3721 |
| Name | OJ990531_37.9922.C10.o1.gp | Method | AAT/GAP |
| Start | 588 | End | 1910 |
| GI | uC-osflm202002c04b1 | Score | 503 |
| Exons | 588..813, 1865..1910 | | |
| GI Descrip. | '1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence' | | |

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|---|---|---|---|
| Seq. No. | 6907 | Seq. ID | OJ990531_37.9922.C10 |
| Gene No. | 14497 | Strand | + |
| Start | 588 | End | 3721 |
| Name | OJ990531_37.9922.C10.o1.gs | Method | GENSCAN |
| Start | 588 | End | 3721 |
| GI | none | Score | .54 |
| Exons | 588..813, 1865..2112, 2154..2342, 2420..2557, 2643..3480, 3557..3721 | | |

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|---|---|---|---|
| Seq. No. | 6907 | Seq. ID | OJ990531_37.9922.C10 |
| Gene No. | 14498 | Strand | + |
| Start | 3964 | End | 4325 |
| Name | OJ990531_37.9922.C10.o2.gp | Method | AAT/GAP |
| Start | 3964 | End | 4325 |
| GI | 2800680 | Score | 583 |
| Exons | 3964..4325 | | |

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| Seq. No. | 6907 | Seq. ID | OJ990531_37.9922.C10 |
| Gene No. | 14499 | Strand | - |
| Start | 4044 | End | 8231 |
| Name | OJ990531_37.9922.C10.o2.gs | Method | GENSCAN |
| Start | 4044 | End | 8231 |
| GI | none | Score | .71 |
| Exons | 4044..4141, 4716..4837, 5141..5189, 6875..7152, 7294..7923, 8149..8231 | | |

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|---|---|---|---|
| Seq. No. | 6907 | Seq. ID | OJ990531_37.9922.C10 |
| Gene No. | 14499 | Strand | - |
| Start | 4044 | End | 8231 |
| Name | OJ990531_37.9922.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 7215 | End | 7622 |
| GI | none | Score | 51 |

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|---|---|---|---|
| Exons | 7215..7277, 7216..7278, 7222..7281, 7367..7477, 7368..7466, 7371..7607, 7372..7611, 7542..7622, 7555..7611 | | |
| Seq. No. | 6908 | Seq. ID | OJ990531_37.9922.C11 |
| Gene No. | 14500 | Strand | + |
| Start | 61 | End | 837 |
| Name | OJ990531_37.9922.C11.o1.gs | Method | GENSCAN |
| Start | 61 | End | 837 |
| GI | none | Score | .54 |
| Exons | 61..112, 478..539, 671..837 | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14501 | Strand | + |
| Start | 8782 | End | 10690 |
| Name | OJ990421_31.9924.C2.o2.gs | Method | GENSCAN |
| Start | 8782 | End | 10579 |
| GI | none | Score | .76 |
| Exons | 8782..8905, 10239..10366, 10442..10579 | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14501 | Strand | + |
| Start | 8782 | End | 10690 |
| Name | OJ990421_31.9924.C2.o4.np | Method | AAT/NAP |
| Start | 8785 | End | 10690 |
| GI | 4803931 | Score | 621 |
| Exons | 8785..8905, 9742..9876, 9982..10142, 10239..10366, 10442..10690 | | |
| GI Descrip. | (AC006264) unknown protein [Arabidopsis thaliana] | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o2.np | Method | AAT/NAP |
| Start | 299 | End | 5440 |
| GI | 2583130 | Score | 1789 |
| Exons | 299..340, 1442..1881, 1942..5440 | | |
| GI Descrip. | (AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o4.tw | Method | TBLASTX:Wheat |
| Start | 1896 | End | 2303 |
| GI | none | Score | 102 |
| Exons | 1896..2054, 1918..2289, 2100..2303 | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o5.tw | Method | TBLASTX:Wheat |
| Start | 2694 | End | 2877 |
| GI | none | Score | 113 |
| Exons | 2694..2876, 2695..2877 | | |
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |

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|---|---|---|---|
| Name | OJ990421_31.9924.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 2754 | End | 3104 |
| GI | none | Score | 132 |
| Exons | 2754..3104, 2755..3069 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 2760 | End | 3179 |
| GI | none | Score | 127 |
| Exons | 2760..2975, 2979..3179 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 2883 | End | 3300 |
| GI | none | Score | 177 |
| Exons | 2883..2933, 2916..3299, 2917..3300 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 3258 | End | 3896 |
| GI | none | Score | 66 |
| Exons | 3258..3404, 3432..3749, 3481..3537, 3568..3750, 3732..3896 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 3420 | End | 3707 |
| GI | none | Score | 192 |
| Exons | 3420..3707 | | |

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| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14502 | Strand | - |
| Start | 299 | End | 5440 |
| Name | OJ990421_31.9924.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 3471 | End | 3851 |
| GI | none | Score | 181 |
| Exons | 3471..3638, 3472..3645, 3488..3652, 3547..3666, 3630..3716, 3633..3851, 3637..3849 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14503 | Strand | |
| Start | 8781 | End | 10590 |
| Name | OJ990421_31.9924.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 8781 | End | 10036 |
| GI | none | Score | 127 |
| Exons | 8781..8876, 8785..8907, 8785..8907, 9641..9700, 9643..9705, 9644..9709, 9785..9904, 9785..9859, 9793..9888, 9992..10036 | | |

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| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14503 | Strand | |

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|---|---|---|---|
| Start | 8781 | End | 10590 |
| Name | OJ990421_31.9924.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 9637 | End | 10579 |
| GI | none | Score | 89 |
| Exons | 9637..9708, 9644..9709, 9785..9874, 9790..9876, 9992..10141, 10223..10369, 10382..10579, 10427..10579 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14503 | Strand | |
| Start | 8781 | End | 10590 |
| Name | OJ990421_31.9924.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 9780 | End | 10495 |
| GI | none | Score | 141 |
| Exons | 9780..9872, 9781..9876, 9782..9874, 9991..10143, 9992..10144, 10003..10146, 10223..10369, 10234..10368, 10442..10495, 10446..10493, 10447..10494 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14503 | Strand | |
| Start | 8781 | End | 10590 |
| Name | OJ990421_31.9924.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 10106 | End | 10581 |
| GI | none | Score | 51 |
| Exons | 10106..10141, 10223..10369, 10232..10357, 10394..10579, 10426..10578, 10450..10581 | | |

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|---|---|---|---|
| Seq. No. | 6909 | Seq. ID | OJ990421_31.9924.C2 |
| Gene No. | 14503 | Strand | |
| Start | 8781 | End | 10590 |
| Name | OJ990421_31.9924.C2.o4.ts | Method | TBLASTX:Soybean |
| Start | 10295 | End | 10590 |
| GI | none | Score | 114 |
| Exons | 10295..10369, 10297..10368, 10382..10579, 10427..10576, 10429..10590, 10429..10578, 10440..10580 | | |

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|---|---|---|---|
| Seq. No. | 6910 | Seq. ID | OJ990421_31.9924.C3 |
| Gene No. | 14504 | Strand | - |
| Start | 208 | End | 342 |
| Name | OJ990421_31.9924.C3.o1.gs | Method | GENSCAN |
| Start | 208 | End | 342 |
| GI | none | Score | .59 |
| Exons | 208..342 | | |

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|---|---|---|---|
| Seq. No. | 6911 | Seq. ID | OJ990421_31.9924.C4 |
| Gene No. | 14505 | Strand | - |
| Start | 1 | End | 277 |
| Name | OJ990421_31.9924.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 277 |
| GI | 2498930 | Score | 104 |
| Exons | 1..48, 216..277 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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|---|---|---|---|
| Seq. No. | 6911 | Seq. ID | OJ990421_31.9924.C4 |
| Gene No. | 14506 | Strand | - |
| Start | 216 | End | 275 |
| Name | OJ990421_31.9924.C4.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 216 | End | 275 |
| GI | none | Score | .99 |
| Exons | 216..275 | | |

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|---|---|---|---|
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14507 | Strand | + |
| Start | 4893 | End | 9858 |
| Name | OJ990421_31.9924.C5.o4.np | Method | AAT/NAP |
| Start | 4893 | End | 9858 |
| GI | 5852172 | Score | 86 |
| Exons | 4893..4976, 9667..9715, 9791..9858 | | |
| GI Descrip. | (AL117265) zhb0002.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14507 | Strand | + |
| Start | 4893 | End | 9858 |
| Name | OJ990421_31.9924.C5.o1.gp | Method | AAT/GAP |
| Start | 7492 | End | 8329 |
| GI | 533_1.R1084 | Score | 173 |
| Exons | 7492..7552, 8168..8267, 8290..8329 | | |
| GI Descrip. | '113172/sp\|P15543\|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]' | | |

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|---|---|---|---|
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14508 | Strand | - |
| Start | 1 | End | 3977 |
| Name | OJ990421_31.9924.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3977 |
| GI | 2583130 | Score | 1682 |
| Exons | 1..358, 415..3977 | | |
| GI Descrip. | (AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14508 | Strand | - |
| Start | 1 | End | 3977 |
| Name | OJ990421_31.9924.C5.o1.gs | Method | GENSCAN |
| Start | 572 | End | 2810 |
| GI | none | Score | .64 |
| Exons | 572..1241, 1558..1742, 1989..2138, 2178..2810 | | |

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|---|---|---|---|
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 489 | End | 874 |
| GI | none | Score | 64 |
| Exons | 489..593, 614..841, 632..874, 687..869 | | |

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| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 1255 | End | 1413 |
| GI | none | Score | 118 |

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|---|---|---|---|
| Exons | 1255..1413, 1257..1412 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1269 | End | 1650 |
| GI | none | Score | 144 |
| Exons | 1269..1640, 1279..1650 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 1296 | End | 1715 |
| GI | none | Score | 99 |
| Exons | 1296..1511, 1515..1715 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 1419 | End | 1836 |
| GI | none | Score | 128 |
| Exons | 1419..1481, 1464..1835, 1480..1728, 1783..1836 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 2127 | End | 2624 |
| GI | none | Score | 57 |
| Exons | 2127..2267, 2271..2510, 2538..2624 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 2167 | End | 2522 |
| GI | none | Score | 169 |
| Exons | 2167..2448, 2169..2522 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 2607 | End | 2990 |
| GI | none | Score | 64 |
| Exons | 2607..2906, 2608..2685, 2889..2990 | | |
| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 3486 | End | 3872 |
| GI | none | Score | 65 |
| Exons | 3486..3677, 3535..3678, 3554..3688, 3681..3872, 3742..3855 | | |

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| Seq. No. | 6912 | Seq. ID | OJ990421_31.9924.C5 |
| Gene No. | 14509 | Strand | - |
| Start | 9783 | End | 9981 |
| Name | OJ990421_31.9924.C5.o3.gs | Method | GENSCAN |
| Start | 9783 | End | 9981 |
| GI | none | Score | .58 |
| Exons | 9783..9981 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14510 | Strand | + |
| Start | 457 | End | 1912 |
| Name | OJ990421_31.9924.C6.o1.gs | Method | GENSCAN |
| Start | 457 | End | 1912 |
| GI | none | Score | .41 |
| Exons | 457..618, 1694..1912 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14511 | Strand | + |
| Start | 2668 | End | 8928 |
| Name | OJ990421_31.9924.C6.o2.gs | Method | GENSCAN |
| Start | 2668 | End | 8928 |
| GI | none | Score | .82 |
| Exons | 2668..2783, 3255..3348, 3896..3965, 4076..4155, 5030..5106, 5371..5847, 6212..6496, 6523..6682, 7138..7222, 7267..7397, 8037..8179, 8727..8928 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14511 | Strand | + |
| Start | 2668 | End | 8928 |
| Name | OJ990421_31.9924.C6.o1.gp | Method | AAT/GAP |
| Start | 3294 | End | 6168 |
| GI | 17876_1.R1084 | Score | 2285 |
| Exons | 3294..3348, 3625..3719, 3896..3965, 4046..4155, 4609..4725, 5030..5106, 5202..5246, 5371..6068, 6137..6168 | | |
| GI Descrip. | '5091616/gb\|AAD39604.1\|AC007454_3 1.0e-52 (AC007454) F23M19.3 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14512 | Strand | + |
| Start | 9299 | End | 9700 |
| Name | OJ990421_31.9924.C6.o4.gp | Method | AAT/GAP |
| Start | 9242 | End | 9595 |
| GI | 2428262 | Score | 659 |
| Exons | 9242..9595 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14512 | Strand | + |
| Start | 9299 | End | 9700 |
| Name | OJ990421_31.9924.C6.o3.gs | Method | GENSCAN |
| Start | 9299 | End | 9700 |
| GI | none | Score | .54 |
| Exons | 9299..9700 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14513 | Strand | + |
| Start | 11866 | End | 13890 |

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|---|---|---|---|
| Name | OJ990421_31.9924.C6.o1.np | Method | AAT/NAP |
| Start | 11842 | End | 13890 |
| GI | 6721098 | Score | 688 |
| Exons | 11842..12278, 12309..12641, 13840..13890 | | |
| GI Descrip. | (AC007396) T4O12.3 [Arabidopsis thaliana] | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14513 | Strand | + |
| Start | 11866 | End | 13890 |
| Name | OJ990421_31.9924.C6.o4.gs | Method | GENSCAN |
| Start | 11866 | End | 13340 |
| GI | none | Score | .68 |
| Exons | 11866..12641, 13238..13340 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14514 | Strand | + |
| Start | 16529 | End | 19469 |
| Name | OJ990421_31.9924.C6.o2.np | Method | AAT/NAP |
| Start | 16529 | End | 19466 |
| GI | 6691716 | Score | 2292 |
| Exons | 16529..17413, 17611..17786, 17869..18136, 18313..18507, 18583..18686, 18837..18948, 19021..19466 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14514 | Strand | + |
| Start | 16529 | End | 19469 |
| Name | OJ990421_31.9924.C6.o6.gs | Method | GENSCAN |
| Start | 16529 | End | 19469 |
| GI | none | Score | .88 |
| Exons | 16529..17413, 17611..17786, 17869..18200, 18320..18507, 18583..18772, 19021..19469 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14515 | Strand | + |
| Start | 30787 | End | 32111 |
| Name | OJ990421_31.9924.C6.o9.gs | Method | GENSCAN |
| Start | 30787 | End | 32111 |
| GI | none | Score | .69 |
| Exons | 30787..31285, 31775..31869, 31959..32111 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14516 | Strand | - |
| Start | 6188 | End | 6931 |
| Name | OJ990421_31.9924.C6.o3.gp | Method | AAT/GAP |
| Start | 6188 | End | 6931 |
| GI | 6547_1.R1084 | Score | 783 |
| Exons | 6188..6373, 6586..6931 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14517 | Strand | - |
| Start | 14170 | End | 14517 |
| Name | OJ990421_31.9924.C6.o5.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 14170 | End | 14517 |
| GI | none | Score | .41 |
| Exons | 14170..14517 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 2279 | End | 2795 |
| GI | none | Score | 279 |
| Exons | 2279..2551, 2280..2597, 2689..2784, 2689..2778, 2718..2795 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o6.tm | Method | TBLASTX:Maize |
| Start | 2324 | End | 3317 |
| GI | none | Score | 210 |
| Exons | 2324..2602, 2325..2597, 2689..2796, 2722..2790, 2727..2795, 3252..3317 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o10.tm | Method | TBLASTX:Maize |
| Start | 6670 | End | 6936 |
| GI | none | Score | 111 |
| Exons | 6670..6801, 6676..6717, 6682..6780, 6723..6785, 6739..6840, 6781..6816, 6805..6870, 6817..6870, 6817..6843, 6859..6933, 6895..6936 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o8.tm | Method | TBLASTX:Maize |
| Start | 9424 | End | 9607 |
| GI | none | Score | 259 |
| Exons | 9424..9552, 9425..9607 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o10.tw | Method | TBLASTX:Wheat |
| Start | 9425 | End | 9595 |
| GI | none | Score | 176 |
| Exons | 9425..9544, 9431..9526, 9487..9543, 9521..9595 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 11878 | End | 12600 |
| GI | none | Score | 400 |
| Exons | 11878..12192, 11895..12188, 12223..12273, 12330..12374, 12331..12390, 12442..12600, 12462..12599 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |

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|---|---|---|---|
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o5.tm | Method | TBLASTX:Maize |
| Start | 11887 | End | 12171 |
| GI | none | Score | 247 |
| Exons | 11887..12093, 11889..12077, 12088..12171, 12093..12170 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 11895 | End | 12594 |
| GI | none | Score | 387 |
| Exons | 11895..12194, 11896..12192, 12223..12273, 12331..12390, 12442..12594, 12447..12593 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o14.tw | Method | TBLASTX:Wheat |
| Start | 11931 | End | 12390 |
| GI | none | Score | 47 |
| Exons | 11931..11954, 11932..11955, 12049..12126, 12051..12149, 12130..12192, 12223..12267, 12346..12390 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o11.tw | Method | TBLASTX:Wheat |
| Start | 12442 | End | 13832 |
| GI | none | Score | 221 |
| Exons | 12442..12594, 12447..12596, 13779..13832 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o12.tm | Method | TBLASTX:Maize |
| Start | 12442 | End | 12591 |
| GI | none | Score | 200 |
| Exons | 12442..12591, 12447..12590 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o12.tw | Method | TBLASTX:Wheat |
| Start | 16649 | End | 16939 |
| GI | none | Score | 211 |
| Exons | 16649..16939 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o7.gs | Method | GENSCAN |
| Start | 19786 | End | 28641 |
| GI | none | Score | .7 |
| Exons | 19786..22947, 23083..25900, 26336..26408, 26739..26948, 27085..27364, 28570..28641 | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o6.tw | Method | TBLASTX:Wheat |
| Start | 19798 | End | 20412 |
| GI | none | Score | 62 |
| Exons | 19798..19935, 19802..19924, 19921..20079, 20134..20412, 20150..20251 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o3.np | Method | AAT/NAP |
| Start | 19822 | End | 25896 |
| GI | 5922631 | Score | 6712 |
| Exons | 19822..22349, 22956..23879, 24006..24154, 24197..24761, 24807..25016, 25266..25513, 25772..25896 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o9.tm | Method | TBLASTX:Maize |
| Start | 19837 | End | 20070 |
| GI | none | Score | 102 |
| Exons | 19837..19938, 19838..19939, 19918..20070, 19919..19969 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o14.tm | Method | TBLASTX:Maize |
| Start | 20182 | End | 20455 |
| GI | none | Score | 63 |
| Exons | 20182..20268, 20278..20361, 20279..20365, 20356..20454, 20357..20455 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o3.tw | Method | TBLASTX:Wheat |
| Start | 20527 | End | 20914 |
| GI | none | Score | 107 |
| Exons | 20527..20712, 20527..20913, 20603..20914 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 20557 | End | 20920 |
| GI | none | Score | 67 |

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|---|---|---|---|
| Exons | 20557..20604, 20558..20605, 20585..20899, 20596..20919, 20609..20920 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o13.tw | Method | TBLASTX:Wheat |
| Start | 20917 | End | 21216 |
| GI | none | Score | 134 |
| Exons | 20917..21057, 21082..21216 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o4.tw | Method | TBLASTX:Wheat |
| Start | 21232 | End | 21654 |
| GI | none | Score | 266 |
| Exons | 21232..21654, 21242..21646 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o4.ts | Method | TBLASTX:Soybean |
| Start | 21275 | End | 21663 |
| GI | none | Score | 162 |
| Exons | 21275..21655, 21277..21519, 21559..21663 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o13.tm | Method | TBLASTX:Maize |
| Start | 21328 | End | 21601 |
| GI | none | Score | 60 |
| Exons | 21328..21426, 21329..21394, 21430..21600, 21431..21601 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o5.tw | Method | TBLASTX:Wheat |
| Start | 21691 | End | 22120 |
| GI | none | Score | 128 |
| Exons | 21691..22119, 21848..22120 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o4.tm | Method | TBLASTX:Maize |
| Start | 21778 | End | 22221 |
| GI | none | Score | 86 |
| Exons | 21778..21804, 21814..21945, 21815..21946, 21967..22221, 21968..22189, 22021..22197 | | |
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o3.ts | Method | TBLASTX:Soybean |
| Start | 21889 | End | 22320 |

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|---|---|---|---|
| GI | none | Score | 58 |
| Exons | 21889..22320, 21923..22093, 22130..22273 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 22165 | End | 22584 |
| GI | none | Score | 238 |
| Exons | 22165..22584, 22166..22582, 22369..22584 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 22453 | End | 22809 |
| GI | none | Score | 214 |
| Exons | 22453..22809, 22463..22768 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o5.ts | Method | TBLASTX:Soybean |
| Start | 22534 | End | 22899 |
| GI | none | Score | 138 |
| Exons | 22534..22668, 22675..22899 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o8.tw | Method | TBLASTX:Wheat |
| Start | 22585 | End | 22818 |
| GI | none | Score | 143 |
| Exons | 22585..22797, 22585..22818, 22586..22798 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 22819 | End | 23616 |
| GI | none | Score | 123 |
| Exons | 22819..23112, 22823..23047, 23159..23395, 23161..23391, 23434..23616, 23440..23553 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o7.tw | Method | TBLASTX:Wheat |
| Start | 24190 | End | 24592 |
| GI | none | Score | 117 |
| Exons | 24190..24591, 24323..24592 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o4.np | Method | AAT/NAP |
| Start | 27746 | End | 32273 |

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|---|---|---|---|
| GI | 6069646 | Score | 786 |
| Exons | 27746..28730, 29013..29451, 32240..32273 | | |
| GI Descrip. | (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o7.tm | Method | TBLASTX:Maize |
| Start | 27773 | End | 28320 |
| GI | none | Score | 51 |
| Exons | 27773..27979, 27842..27961, 27971..28195, 28074..28196, 28198..28221, 28231..28320 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o11.tm | Method | TBLASTX:Maize |
| Start | 28417 | End | 28781 |
| GI | none | Score | 154 |
| Exons | 28417..28500, 28507..28569, 28638..28781 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o9.tw | Method | TBLASTX:Wheat |
| Start | 28716 | End | 29156 |
| GI | none | Score | 45 |
| Exons | 28716..28844, 28720..28845, 28857..29156, 28966..29151 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 28794 | End | 29409 |
| GI | none | Score | 205 |
| Exons | 28794..29249, 28795..29247, 29265..29405, 29320..29409 | | |

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| Seq. No. | 6913 | Seq. ID | OJ990421_31.9924.C6 |
| Gene No. | 14518 | Strand | - |
| Start | 19786 | End | 32273 |
| Name | OJ990421_31.9924.C6.o8.gs | Method | GENSCAN |
| Start | 28947 | End | 29776 |
| GI | none | Score | .79 |
| Exons | 28947..29360, 29421..29533, 29755..29776 | | |

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|---|---|---|---|
| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o1.gs | Method | GENSCAN |
| Start | 296 | End | 1564 |
| GI | none | Score | .68 |
| Exons | 296..841, 1177..1564 | | |

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|---|---|---|---|
| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 575 | End | 991 |
| GI | none | Score | 281 |
| Exons | 575..991 | | |

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|---|---|---|---|
| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 581 | End | 943 |
| GI | none | Score | 254 |
| Exons | 581..943, 589..927 | | |

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| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o1.np | Method | AAT/NAP |
| Start | 785 | End | 1609 |
| GI | 2213632 | Score | 587 |
| Exons | 785..1609 | | |
| GI Descrip. | (AC000103) F21J9.24 [Arabidopsis thaliana] | | |

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| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 1077 | End | 1497 |
| GI | none | Score | 38 |
| Exons | 1077..1115, 1119..1250, 1123..1260, 1252..1497, 1262..1321, 1263..1496 | | |

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|---|---|---|---|
| Seq. No. | 6914 | Seq. ID | OJ990421_31.9924.C7 |
| Gene No. | 14519 | Strand | + |
| Start | 296 | End | 1609 |
| Name | OJ990421_31.9924.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 1086 | End | 1509 |
| GI | none | Score | 39 |
| Exons | 1086..1145, 1119..1403, 1123..1404, 1402..1464, 1444..1509 | | |

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| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1095 |
| GI | 6863054 | Score | 671 |
| Exons | 1..20, 411..606, 689..827, 904..1095 | | |
| GI Descrip. | (AB037681) heat shock protein 90 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 439 | End | 1078 |
| GI | none | Score | 188 |

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|---|---|---|---|
| Exons | 439..570, 440..604, 447..608, 454..624, 681..803, 689..919, 691..828, 908..1078, 966..1070 | | |
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 447 | End | 1078 |
| GI | none | Score | 169 |
| Exons | 447..608, 454..615, 689..814, 691..825, 694..816, 881..1075, 889..1071, 908..1078, 969..1076 | | |
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 447 | End | 1070 |
| GI | none | Score | 94 |
| Exons | 447..608, 454..588, 694..804, 929..1069, 984..1070 | | |
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.gp | Method | AAT/GAP |
| Start | 456 | End | 1095 |
| GI | 5260_1.R1084 | Score | 850 |
| Exons | 456..606, 689..827, 904..1095 | | |
| GI Descrip. | '544242/sp\|P36183\|ENPL_HORVU 0.0e+00 ENDOPLASMIN HOMOLOG PRECURSOR (GRP94 HOMOLOG) >gi_485498_pir__S33533 heat shock protein 90 homolog precursor - barley >gi_22652_emb_CAA48143_ (X67960) GRP94 homologue [Hordeum vulgare]' | | |
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.gs | Method | GENSCAN |
| Start | 456 | End | 1024 |
| GI | none | Score | 1 |
| Exons | 456..606, 689..827, 904..1024 | | |
| Seq. No. | 6915 | Seq. ID | OJ990421_31.9924.C8 |
| Gene No. | 14520 | Strand | - |
| Start | 1 | End | 1095 |
| Name | OJ990421_31.9924.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 462 | End | 844 |
| GI | none | Score | 129 |
| Exons | 462..608, 462..608, 463..624, 464..622, 689..844, 689..829, 691..831 | | |
| Seq. No. | 6916 | Seq. ID | OJ990421_31.9924.C9 |
| Gene No. | 14521 | Strand | - |
| Start | 10 | End | 161 |
| Name | OJ990421_31.9924.C9.o1.gs | Method | GENSCAN |
| Start | 10 | End | 161 |
| GI | none | Score | .45 |
| Exons | 10..161 | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 1373 |
| GI | 5260_1.R1084 | Score | 901 |
| Exons | 1..34, 182..293, 385..465, 1011..1164, 1250..1373 | | |
| GI Descrip. | '544242/sp\|P36183\|ENPL_HORVU 0.0e+00 ENDOPLASMIN HOMOLOG PRECURSOR (GRP94 HOMOLOG) >gi_485498_pir__S33533 heat shock protein 90 homolog precursor - barley >gi_22652_emb_CAA48143_ (X67960) GRP94 homologue [Hordeum vulgare]' | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1437 |
| GI | 6863054 | Score | 663 |
| Exons | 1..34, 182..293, 385..465, 1011..1164, 1250..1437 | | |
| GI Descrip. | (AB037681) heat shock protein 90 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 178 | End | 424 |
| GI | none | Score | 57 |
| Exons | 178..219, 180..224, 207..266, 207..293, 208..294, 212..295, 382..423, 389..424 | | |

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| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.gs | Method | GENSCAN |
| Start | 182 | End | 1370 |
| GI | none | Score | .89 |
| Exons | 182..293, 385..465, 1011..1164, 1250..1370 | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 183 | End | 1368 |
| GI | none | Score | 144 |
| Exons | 183..293, 184..294, 184..294, 382..465, 389..466, 393..482, 990..1172, 996..1166, 1093..1173, 1210..1251, 1237..1368, 1238..1366 | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 382 | End | 1369 |
| GI | none | Score | 127 |
| Exons | 382..465, 383..466, 385..468, 990..1172, 1010..1114, 1093..1173, 1238..1282, 1291..1368, 1292..1369 | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 424 | End | 1373 |
| GI | none | Score | 171 |
| Exons | 424..465, 990..1166, 1007..1165, 1011..1166, 1093..1167, 1237..1371, 1251..1373 | | |

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|---|---|---|---|
| Seq. No. | 6917 | Seq. ID | OJ990421_31.9924.C10 |
| Gene No. | 14522 | Strand | - |
| Start | 1 | End | 1437 |
| Name | OJ990421_31.9924.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 1010 | End | 1173 |
| GI | none | Score | 162 |
| Exons | 1010..1165, 1011..1172, 1093..1173 | | |

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|---|---|---|---|
| Seq. No. | 6918 | Seq. ID | OJ990421_31.9924.C12 |
| Gene No. | 14523 | Strand | - |
| Start | 1733 | End | 2572 |
| Name | OJ990421_31.9924.C12.o1.np | Method | AAT/NAP |
| Start | 1733 | End | 2572 |
| GI | 4581120 | Score | 419 |
| Exons | 1733..2009, 2043..2330, 2358..2572 | | |
| GI Descrip. | (AC005825) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6918 | Seq. ID | OJ990421_31.9924.C12 |
| Gene No. | 14523 | Strand | - |
| Start | 1733 | End | 2572 |
| Name | OJ990421_31.9924.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 2062 | End | 2475 |
| GI | none | Score | 120 |
| Exons | 2062..2310, 2070..2273, 2070..2321, 2071..2310, 2210..2473, 2217..2438, 2368..2460, 2377..2475 | | |

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|---|---|---|---|
| Seq. No. | 6918 | Seq. ID | OJ990421_31.9924.C12 |
| Gene No. | 14523 | Strand | - |
| Start | 1733 | End | 2572 |
| Name | OJ990421_31.9924.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 2085 | End | 2435 |
| GI | none | Score | 93 |
| Exons | 2085..2345, 2194..2307, 2240..2371, 2376..2435 | | |

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|---|---|---|---|
| Seq. No. | 6918 | Seq. ID | OJ990421_31.9924.C12 |
| Gene No. | 14523 | Strand | - |
| Start | 1733 | End | 2572 |
| Name | OJ990421_31.9924.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 2103 | End | 2421 |
| GI | none | Score | 125 |
| Exons | 2103..2318, 2106..2288, 2125..2313, 2253..2336, 2370..2408, 2375..2407, 2377..2412, 2377..2421 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14524 | Strand | + |
| Start | 5 | End | 1221 |
| Name | OJ990421_31.9924.C13.o1.np | Method | AAT/NAP |
| Start | 5 | End | 1221 |

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|---|---|---|---|
| GI | 6721543 | Score | 100 |
| Exons | 5..133, 787..862, 1181..1221 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14525 | Strand | + |
| Start | 7129 | End | 7299 |
| Name | OJ990421_31.9924.C13.o4.gp | Method | AAT/GAP |
| Start | 7129 | End | 7299 |
| GI | 7406_1.R1084 | Score | 213 |
| Exons | 7129..7299 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14526 | Strand | + |
| Start | 18562 | End | 18642 |
| Name | OJ990421_31.9924.C13.o7.gp | Method | AAT/GAP |
| Start | 18562 | End | 18642 |
| GI | 38012_1.R1084 | Score | 106 |
| Exons | 18562..18642 | | |
| GI Descrip. | '4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14527 | Strand | + |
| Start | 22579 | End | 23831 |
| Name | OJ990421_31.9924.C13.o4.gs | Method | GENSCAN |
| Start | 22579 | End | 23831 |
| GI | none | Score | .97 |
| Exons | 22579..22608, 23142..23189, 23544..23831 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14527 | Strand | + |
| Start | 22579 | End | 23831 |
| Name | OJ990421_31.9924.C13.o5.np | Method | AAT/NAP |
| Start | 23556 | End | 23831 |
| GI | 6634732 | Score | 134 |
| Exons | 23556..23831 | | |
| GI Descrip. | (AC012463) T2E6.8 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14528 | Strand | + |
| Start | 23948 | End | 24108 |
| Name | OJ990421_31.9924.C13.o8.gp | Method | AAT/GAP |
| Start | 23948 | End | 24108 |
| GI | none | Score | 179 |
| Exons | 23948..24108 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o1.gp | Method | AAT/GAP |
| Start | 368 | End | 821 |
| GI | LIB3431-045-P1-N1-A10 | Score | 876 |
| Exons | 368..821 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic | | |

DNA, chromosome 2, clone:P0437H03 (contig b)'

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o1.gs | Method | GENSCAN |
| Start | 646 | End | 6691 |
| GI | none | Score | .56 |
| Exons | 646..806, 957..1159, 1164..1211, 1275..1406, 1497..1534, 1600..1782, 1875..2133, 2210..2508, 2602..3012, 3097..3433, 3539..3689, 4063..6691 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o2.np | Method | AAT/NAP |
| Start | 925 | End | 6238 |
| GI | 5441880 | Score | 4732 |
| Exons | 925..1159, 1275..1406, 1497..1520, 1557..1630, 1875..2133, 2210..2508, 3097..3433, 3539..3689, 4183..4498, 4757..4788, 5233..6238 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o2.gp | Method | AAT/GAP |
| Start | 1883 | End | 2382 |
| GI | LIB3475-007-P1-K1-G8 | Score | 797 |
| Exons | 1883..2133, 2210..2382 | | |
| GI Descrip. | '5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]' | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o3.gp | Method | AAT/GAP |
| Start | 5203 | End | 5634 |
| GI | 5701669 | Score | 841 |
| Exons | 5203..5634 | | |
| GI Descrip. | 5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o4.np | Method | AAT/NAP |
| Start | 5423 | End | 20416 |
| GI | 5852093 | Score | 37 |
| Exons | 5423..5481, 16365..16467, 18326..18366, 20257..20416 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |

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| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o2.gs | Method | GENSCAN |
| Start | 7636 | End | 11240 |
| GI | none | Score | .71 |
| Exons | 7636..7729, 8559..8747, 10423..11240 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o5.gp | Method | AAT/GAP |
| Start | 8261 | End | 9040 |
| GI | 5542_1.R1084 | Score | 975 |
| Exons | 8261..8747, 8944..9040 | | |
| GI Descrip. | '3551958/gb\|AAC34857.1\| 2.0e-14 (AF082032) senescence-associated protein 12 [Hemerocallis hybrid cultivar]' | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o6.gp | Method | AAT/GAP |
| Start | 9434 | End | 10670 |
| GI | 54101_1.R1084 | Score | 1515 |
| Exons | 9434..9982, 10423..10670 | | |
| GI Descrip. | '2708750 7.0e-47 (AC003952) putative physical impedence protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o3.gs | Method | GENSCAN |
| Start | 13565 | End | 17749 |
| GI | none | Score | .93 |
| Exons | 13565..13929, 15130..17749 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14529 | Strand | - |
| Start | 646 | End | 20416 |
| Name | OJ990421_31.9924.C13.o3.np | Method | AAT/NAP |
| Start | 13568 | End | 17749 |
| GI | 1263160 | Score | 4759 |
| Exons | 13568..13929, 15130..17749 | | |
| GI Descrip. | (X89226) leucine-rich repeat/receptor protein kinase [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 5003 | End | 5383 |
| GI | none | Score | 81 |
| Exons | 5003..5179, 5033..5179, 5058..5183, 5177..5374, 5189..5383 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o4.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 5081 | End | 5677 |
| GI | none | Score | 151 |
| Exons | 5081..5152, 5216..5515, 5277..5498, 5549..5677, 5571..5669 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 8567 | End | 10655 |
| GI | none | Score | 76 |
| Exons | 8567..8749, 8610..8750, 8959..9009, 9802..9984, 9805..9990, 9818..10000, 10470..10655, 10471..10638 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o5.tm | Method | TBLASTX:Maize |
| Start | 8568 | End | 9978 |
| GI | none | Score | 158 |
| Exons | 8568..8750, 8573..8749, 8632..8751, 8938..9027, 9804..9878, 9806..9976, 9808..9978, 9817..9978 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o3.tc | Method | TBLASTX:Cress |
| Start | 8573 | End | 9990 |
| GI | none | Score | 139 |
| Exons | 8573..8749, 9808..9990, 9818..9985 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 9865 | End | 10655 |
| GI | none | Score | 96 |
| Exons | 9865..9984, 10422..10655, 10423..10635 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 10416 | End | 10806 |
| GI | none | Score | 52 |
| Exons | 10416..10508, 10422..10523, 10423..10524, 10446..10805, 10503..10763, 10525..10806 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o2.tc | Method | TBLASTX:Cress |
| Start | 10422 | End | 11159 |
| GI | none | Score | 155 |
| Exons | 10422..10655, 10423..10635, 10818..10886, 10899..11042, 11127..11159 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |

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|---|---|---|---|
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o8.tm | Method | TBLASTX:Maize |
| Start | 10809 | End | 11065 |
| GI | none | Score | 95 |
| Exons | 10809..10889, 10810..10911, 10893..11051, 10972..11031, 11048..11065 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 13592 | End | 17584 |
| GI | none | Score | 68 |
| Exons | 13592..13942, 13611..13691, 13782..13931, 15125..15160, 15131..15187, 15191..15571, 15192..15572, 15582..15695, 15587..15694, 15899..16300, 15905..16072, 15915..16325, 15922..15942, 15938..16126, 15953..16081, 15956..16303, 15957..16193, 15959..16150, 15959..16303, 15959..16303, 15959..16102, 15959..16303, 15959..16294, 15959..16270, 15960..16325, 15980..16156, 15983..16225, 16052..16213, 16076..16294, 16091..16294, 16196..16303, 16242..16307, 16301..16486, 16367..16651, 16370..17302, 16376..16723, 16379..16591, 16388..16759, 16440..16754, 16454..16834, 16505..16747, 16604..16978, 16821..17138, 16889..16939, 16892..17059, 16892..17023, 16892..17059, 17184..17300, 17330..17506, 17399..17500, 17489..17584 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o9.tm | Method | TBLASTX:Maize |
| Start | 13592 | End | 13804 |
| GI | none | Score | 111 |
| Exons | 13592..13675, 13595..13753, 13596..13724, 13707..13802, 13781..13804 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 13608 | End | 17500 |
| GI | none | Score | 65 |
| Exons | 13608..13718, 13616..13783, 13787..13825, 13823..13942, 13824..13931, 15131..15178, 15191..15538, 15195..15539, 15567..15695, 15587..15694, 15896..16300, 15897..16016, 15953..16294, 15953..16198, 15959..16303, 15959..16294, 15959..16270, 15959..16303, 15959..16303, 16031..16303, 16088..16294, 16101..16322, 16166..16252, 16211..16294, 16376..16507, 16376..16765, 16376..16555, 16379..16699, 16388..16765, 16388..16834, 16388..16723, 16388..16765, 16425..16754, 16445..16759, 16454..16834, 16505..16831, 16604..17011, 16706..16825, 16820..17188, 16820..17059, 16821..16997, 16886..17059, 16889..17302, 16892..17059, 17034..17069, 17057..17302, 17063..17311, 17399..17500 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |

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|---|---|---|---|
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 13855 | End | 15695 |
| GI | none | Score | 91 |
| Exons | 13855..13932, 13856..13942, 13860..13931, 13861..13932, 15131..15178, 15191..15538, 15192..15539, 15566..15694, 15567..15695 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 15224 | End | 15538 |
| GI | none | Score | 204 |
| Exons | 15224..15538, 15225..15512 | | |

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| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 15959 | End | 17311 |
| GI | none | Score | 55 |
| Exons | 15959..16300, 15959..16246, 15959..16213, 15959..16144, 15960..16280, 15960..16199, 16002..16073, 16013..16285, 16023..16322, 16079..16294, 16085..16741, 16085..16303, 16192..16347, 16195..16347, 16264..16326, 16313..16699, 16367..16834, 16367..16732, 16373..16600, 16379..16654, 16388..16765, 16425..16754, 16460..16726, 16509..16754, 16523..16759, 16538..16741, 16604..16831, 16817..17059, 16818..16982, 16820..17059, 16821..16931, 16821..16862, 16821..17048, 16821..16985, 16889..17065, 16892..17059, 16892..17059, 17066..17311, 17093..17308, 17102..17302, 17102..17281 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 23559 | End | 23780 |
| GI | none | Score | 195 |
| Exons | 23559..23780, 23600..23734, 23722..23745 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o7.tm | Method | TBLASTX:Maize |
| Start | 23571 | End | 24014 |
| GI | none | Score | 228 |
| Exons | 23571..23786, 23594..23734, 23780..23836, 23946..24014 | | |

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|---|---|---|---|
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o6.np | Method | AAT/NAP |
| Start | 24716 | End | 28370 |
| GI | 6721111 | Score | 953 |

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|---|---|---|---|
| Exons | 24716..24812, 24885..25060, 25342..25420, 25984..26183, 26343..26606, 27291..27434, 28118..28370 | | |
| GI Descrip. | (AC007396) T4O12.22 [Arabidopsis thaliana] | | |
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o5.gs | Method | GENSCAN |
| Start | 25751 | End | 28522 |
| GI | none | Score | .93 |
| Exons | 25751..25773, 25988..26183, 26433..26606, 27291..27434, 28193..28522 | | |
| Seq. No. | 6919 | Seq. ID | OJ990421_31.9924.C13 |
| Gene No. | 14530 | Strand | - |
| Start | 24716 | End | 28522 |
| Name | OJ990421_31.9924.C13.o6.tm | Method | TBLASTX:Maize |
| Start | 26107 | End | 27410 |
| GI | none | Score | 94 |
| Exons | 26107..26184, 26109..26186, 26109..26186, 26341..26607, 26343..26606, 26386..26607, 27288..27410, 27290..27403 | | |
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14531 | Strand | + |
| Start | 3125 | End | 6161 |
| Name | OJ990421_31.9924.C14.o1.gp | Method | AAT/GAP |
| Start | 3125 | End | 4411 |
| GI | 6484_1.R1084 | Score | 661 |
| Exons | 3125..3409, 4332..4411 | | |
| GI Descrip. | '1245938/gb\|S80361\|S80361 7.0e-09 rabClC-2 beta=chloride channel ClC-2G isoform [rabbits, heart atrium, mRNA, 2998 nt]' | | |
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14531 | Strand | + |
| Start | 3125 | End | 6161 |
| Name | OJ990421_31.9924.C14.o1.np | Method | AAT/NAP |
| Start | 3441 | End | 6161 |
| GI | 6598805 | Score | 352 |
| Exons | 3441..3612, 4332..4510, 5098..5181, 5297..5467, 5705..5808, 6032..6161 | | |
| GI Descrip. | (AF024504) unknown protein [Arabidopsis thaliana] | | |
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14532 | Strand | - |
| Start | 1682 | End | 3398 |
| Name | OJ990421_31.9924.C14.o1.gs | Method | GENSCAN |
| Start | 1682 | End | 3398 |
| GI | none | Score | .48 |
| Exons | 1682..1699, 2339..2384, 3139..3398 | | |
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14533 | Strand | - |
| Start | 7112 | End | 11249 |
| Name | OJ990421_31.9924.C14.o2.gp | Method | AAT/GAP |
| Start | 7045 | End | 9068 |
| GI | 17854_1.R1084 | Score | 1288 |
| Exons | 7045..7366, 8031..8267, 8934..9068 | | |

GI Descrip. '4206122 2.0e-86 (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]'

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14533 | Strand | - |
| Start | 7112 | End | 11249 |
| Name | OJ990421_31.9924.C14.o2.np | Method | AAT/NAP |
| Start | 7100 | End | 9725 |
| GI | 4206122 | Score | 1565 |
| Exons | 7100..7366, 8031..8267, 8934..9301, 9407..9725 | | |
| GI Descrip. | (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum] | | |

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| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14533 | Strand | - |
| Start | 7112 | End | 11249 |
| Name | OJ990421_31.9924.C14.o3.gs | Method | GENSCAN |
| Start | 7112 | End | 11249 |
| GI | none | Score | .78 |
| Exons | 7112..7465, 8031..8267, 8934..9301, 9407..9655, 10370..10471, 11054..11249 | | |

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| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14533 | Strand | - |
| Start | 7112 | End | 11249 |
| Name | OJ990421_31.9924.C14.o3.gp | Method | AAT/GAP |
| Start | 9244 | End | 10961 |
| GI | 6454_1.R1084 | Score | 1162 |
| Exons | 9244..9301, 9407..9826, 10835..10961 | | |
| GI Descrip. | '4206122 2.0e-53 (AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]' | | |

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| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 5097 | End | 5826 |
| GI | none | Score | 97 |
| Exons | 5097..5198, 5098..5157, 5105..5182, 5106..5201, 5285..5467, 5294..5467, 5296..5475, 5687..5806, 5704..5727, 5734..5808, 5736..5825, 5737..5826, 5751..5825 | | |

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o3.tc | Method | TBLASTX:Cress |
| Start | 7130 | End | 7367 |
| GI | none | Score | 246 |
| Exons | 7130..7366, 7131..7367 | | |

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 7137 | End | 10950 |
| GI | none | Score | 274 |
| Exons | 7137..7361, 7151..7366, 7161..7367, 8021..8269, 8023..8268, | | |

8023..8271, 8031..8276, 8931..9299, 8932..9300, 8932..9303, 9383..9673, 9384..9740, 9385..9741, 9408..9728, 9752..9787, 9753..9785, 10836..10865, 10879..10944, 10885..10950

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 7218 | End | 9732 |
| GI | none | Score | 138 |
| Exons | 7218..7346, 7220..7345, 7316..7366, 7317..7367, 8008..8118, 8018..8128, 8020..8271, 8021..8269, 8031..8276, 8928..9311, 8938..9300, 9388..9732, 9408..9728, 9409..9732 | | |

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| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o2.tc | Method | TBLASTX:Cress |
| Start | 8023 | End | 9026 |
| GI | none | Score | 231 |
| Exons | 8023..8268, 8031..8276, 8928..9026, 8932..9024 | | |

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| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 9027 | End | 9791 |
| GI | none | Score | 132 |
| Exons | 9027..9077, 9073..9246, 9093..9296, 9355..9507, 9408..9515, 9507..9632, 9522..9635, 9726..9791 | | |

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 9180 | End | 9663 |
| GI | none | Score | 75 |
| Exons | 9180..9230, 9226..9303, 9228..9314, 9388..9663, 9406..9483, 9408..9656 | | |

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|---|---|---|---|
| Seq. No. | 6920 | Seq. ID | OJ990421_31.9924.C14 |
| Gene No. | 14534 | Strand | - |
| Start | 12143 | End | 14263 |
| Name | OJ990421_31.9924.C14.o4.gs | Method | GENSCAN |
| Start | 12143 | End | 14263 |
| GI | none | Score | .55 |
| Exons | 12143..12233, 13336..13468, 14224..14263 | | |

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|---|---|---|---|
| Seq. No. | 6921 | Seq. ID | OJ990421_31.9924.C15 |
| Gene No. | 14535 | Strand | + |
| Start | 4420 | End | 5806 |
| Name | OJ990421_31.9924.C15.o1.gs | Method | GENSCAN |
| Start | 4420 | End | 5440 |
| GI | none | Score | .64 |
| Exons | 4420..4727, 4814..4895, 4916..5440 | | |

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| Seq. No. | 6921 | Seq. ID | OJ990421_31.9924.C15 |

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|---|---|---|---|
| Gene No. | 14535 | Strand | + |
| Start | 4420 | End | 5806 |
| Name | OJ990421_31.9924.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 4507 | End | 5152 |
| GI | none | Score | 59 |
| Exons | 4507..4566, 4567..4638, 4642..4719, 4802..4903, 4815..4904, 4976..5059, 5069..5152 | | |

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|---|---|---|---|
| Seq. No. | 6921 | Seq. ID | OJ990421_31.9924.C15 |
| Gene No. | 14535 | Strand | + |
| Start | 4420 | End | 5806 |
| Name | OJ990421_31.9924.C15.o1.np | Method | AAT/NAP |
| Start | 4624 | End | 5806 |
| GI | 6598808 | Score | 508 |
| Exons | 4624..4786, 4814..5806 | | |
| GI Descrip. | (AF024504) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6921 | Seq. ID | OJ990421_31.9924.C15 |
| Gene No. | 14535 | Strand | + |
| Start | 4420 | End | 5806 |
| Name | OJ990421_31.9924.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 4803 | End | 5436 |
| GI | none | Score | 133 |
| Exons | 4803..4907, 4805..4915, 5009..5143, 5191..5319, 5192..5332, 5320..5436, 5327..5419 | | |

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|---|---|---|---|
| Seq. No. | 6921 | Seq. ID | OJ990421_31.9924.C15 |
| Gene No. | 14535 | Strand | + |
| Start | 4420 | End | 5806 |
| Name | OJ990421_31.9924.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 4830 | End | 5152 |
| GI | none | Score | 114 |
| Exons | 4830..4907, 4838..4915, 4838..4924, 4964..5152 | | |

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|---|---|---|---|
| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 636 |
| GI | 4467124 | Score | 389 |
| Exons | 1..253, 341..636 | | |
| GI Descrip. | (AL035538) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 6 | End | 587 |
| GI | none | Score | 104 |
| Exons | 6..254, 342..587, 369..551 | | |

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|---|---|---|---|
| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 6 | End | 416 |

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|---|---|---|---|
| GI | none | Score | 118 |
| Exons | 6..266, 40..240, 342..416 | | |
| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.gs | Method | GENSCAN |
| Start | 61 | End | 564 |
| GI | none | Score | .58 |
| Exons | 61..253, 341..564 | | |
| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 141 | End | 635 |
| GI | none | Score | 109 |
| Exons | 141..308, 342..635, 363..542 | | |
| Seq. No. | 6922 | Seq. ID | OJ990421_31.9924.C16 |
| Gene No. | 14536 | Strand | - |
| Start | 1 | End | 636 |
| Name | OJ990421_31.9924.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 342 | End | 635 |
| GI | none | Score | 74 |
| Exons | 342..596, 342..635 | | |
| Seq. No. | 6923 | Seq. ID | OJ990421_31.9924.C19 |
| Gene No. | 14537 | Strand | + |
| Start | 1 | End | 433 |
| Name | OJ990421_31.9924.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 433 |
| GI | 6907086 | Score | 414 |
| Exons | 1..338, 396..433 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 6923 | Seq. ID | OJ990421_31.9924.C19 |
| Gene No. | 14538 | Strand | - |
| Start | 135 | End | 284 |
| Name | OJ990421_31.9924.C19.o1.gs | Method | GENSCAN |
| Start | 135 | End | 284 |
| GI | none | Score | .41 |
| Exons | 135..284 | | |
| Seq. No. | 6924 | Seq. ID | OJ990421_31.9924.C20 |
| Gene No. | 14539 | Strand | + |
| Start | 1 | End | 538 |
| Name | OJ990421_31.9924.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 538 |
| GI | 5441880 | Score | 571 |
| Exons | 1..188, 304..538 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |
| Seq. No. | 6924 | Seq. ID | OJ990421_31.9924.C20 |
| Gene No. | 14539 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 538 |
| Name | OJ990421_31.9924.C20.o1.gs | Method | GENSCAN |
| Start | 57 | End | 506 |
| GI | none | Score | .82 |
| Exons | 57..188, 252..299, 304..506 | | |

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| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o1.gs | Method | GENSCAN |
| Start | 234 | End | 1162 |
| GI | none | Score | .69 |
| Exons | 234..414, 612..1162 | | |

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|---|---|---|---|
| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o2.tm | Method | TBLASTX:Maize |
| Start | 682 | End | 888 |
| GI | none | Score | 60 |
| Exons | 682..777, 682..789, 716..790, 719..799, 720..800, 778..888, 783..887, 784..888 | | |

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|---|---|---|---|
| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o1.ts | Method | TBLASTX:Soybean |
| Start | 695 | End | 1251 |
| GI | none | Score | 73 |
| Exons | 695..778, 712..783, 784..864, 796..864, 838..936, 853..945, 854..943, 875..1096, 975..1007, 992..1243, 1003..1251, 1003..1242, 1040..1243 | | |

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|---|---|---|---|
| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o1.np | Method | AAT/NAP |
| Start | 719 | End | 1270 |
| GI | 4581120 | Score | 470 |
| Exons | 719..955, 983..1270 | | |
| GI Descrip. | (AC005825) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o1.tc | Method | TBLASTX:Cress |
| Start | 878 | End | 1228 |
| GI | none | Score | 67 |
| Exons | 878..937, 942..1073, 968..1228, 1006..1119 | | |

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|---|---|---|---|
| Seq. No. | 6925 | Seq. ID | OJ990421_31.9924.C21 |
| Gene No. | 14540 | Strand | + |
| Start | 234 | End | 1270 |
| Name | OJ990421_31.9924.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 892 | End | 1210 |
| GI | none | Score | 59 |
| Exons | 892..936, 901..936, 905..943, 905..943, 977..1060, 995..1210, | | |

1000..1188, 1025..1207

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14541 | Strand | + |
| Start | 180 | End | 3305 |
| Name | OJ990501_31.9917.C1.o1.gs | Method | GENSCAN |
| Start | 180 | End | 3305 |
| GI | none | Score | .56 |
| Exons | 180..602, 1637..1804, 1888..1927, 2030..2141, 2214..2283, 2907..3305 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14542 | Strand | + |
| Start | 4084 | End | 4796 |
| Name | OJ990501_31.9917.C1.o1.gp | Method | AAT/GAP |
| Start | 4084 | End | 4796 |
| GI | 4219_1.R1084 | Score | 1131 |
| Exons | 4084..4796 | | |
| GI Descrip. | '4490321/emb\|CAB38705.1\| 2.0e-09 (AJ011604) nitrate transporter [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o2.gs | Method | GENSCAN |
| Start | 4354 | End | 5853 |
| GI | none | Score | 1 |
| Exons | 4354..5853 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o2.np | Method | AAT/NAP |
| Start | 4363 | End | 5872 |
| GI | 2760834 | Score | 1494 |
| Exons | 4363..5872 | | |
| GI Descrip. | (AC003105) putative nitrate transporter [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 4432 | End | 5872 |
| GI | none | Score | 242 |
| Exons | 4432..4536, 4541..4750, 4621..4806, 4756..4998, 4844..4981, 4984..5139, 4988..5137, 5263..5334, 5311..5685, 5315..5464, 5585..5686, 5701..5871, 5702..5872 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 4432 | End | 5140 |
| GI | none | Score | 187 |
| Exons | 4432..4536, 4553..4753, 4604..4639, 4621..4761, 4768..4887, 4871..5140, 4873..5139 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 4492 | End | 5245 |
| GI | none | Score | 228 |
| Exons | 4492..4536, 4550..4741, 4621..4740, 4630..4743, 4747..4980, 4844..4981, 4984..5139, 4988..5140, 5213..5245 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o2.gp | Method | AAT/GAP |
| Start | 4724 | End | 5213 |
| GI | LIB3431-054-P1-K1-F11 | Score | 918 |
| Exons | 4724..5213 | | |
| GI Descrip. | '2760834/gb\|AAB95302.1\| 2.0e-41 (AC003105) putative nitrate transporter [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 5176 | End | 5688 |
| GI | none | Score | 289 |
| Exons | 5176..5247, 5305..5688 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o2.ts | Method | TBLASTX:Soybean |
| Start | 5470 | End | 5872 |
| GI | none | Score | 96 |
| Exons | 5470..5715, 5585..5647, 5698..5871, 5699..5872 | | |

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|---|---|---|---|
| Seq. No. | 6926 | Seq. ID | OJ990501_31.9917.C1 |
| Gene No. | 14543 | Strand | - |
| Start | 4354 | End | 5872 |
| Name | OJ990501_31.9917.C1.o3.gp | Method | AAT/GAP |
| Start | 5720 | End | 5872 |
| GI | 3761683 | Score | 268 |
| Exons | 5720..5872 | | |
| GI Descrip. | 2760834/gb\|AAB95302.1\| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14544 | Strand | + |
| Start | 9015 | End | 15280 |
| Name | OJ990501_31.9917.C2.o2.gs | Method | GENSCAN |
| Start | 9015 | End | 15280 |
| GI | none | Score | .51 |
| Exons | 9015..9032, 11195..11247, 12559..12733, 14686..14790, 15182..15280 | | |

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|---|---|---|---|
| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14545 | Strand | - |
| Start | 1 | End | 394 |

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|---|---|---|---|
| Name | OJ990501_31.9917.C2.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 394 |
| GI | 3761683 | Score | 313 |
| Exons | 1..120, 306..394 | | |
| GI Descrip. | 2760834/gb\|AAB95302.1\| 1.0e-12 (AC003105) putative nitrate transporter [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14546 | Strand | - |
| Start | 4176 | End | 4616 |
| Name | OJ990501_31.9917.C2.o1.np | Method | AAT/NAP |
| Start | 4176 | End | 4616 |
| GI | 1085679 | Score | 257 |
| Exons | 4176..4616 | | |
| GI Descrip. | calmodulin - Macrocystis pyrifera gi\|728609\|emb\|CAA59418\| (X85091) calmodulin [Macrocystis pyrifera] | | |

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|---|---|---|---|
| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14546 | Strand | - |
| Start | 4176 | End | 4616 |
| Name | OJ990501_31.9917.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 4194 | End | 4556 |
| GI | none | Score | 35 |
| Exons | 4194..4235, 4197..4229, 4215..4274, 4221..4274, 4282..4329, 4283..4366, 4327..4392, 4328..4396, 4448..4555, 4449..4556, 4462..4527 | | |

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| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14546 | Strand | - |
| Start | 4176 | End | 4616 |
| Name | OJ990501_31.9917.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 4194 | End | 4556 |
| GI | none | Score | 42 |
| Exons | 4194..4238, 4194..4235, 4221..4274, 4282..4329, 4283..4366, 4327..4392, 4328..4393, 4448..4555, 4449..4556 | | |

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| Seq. No. | 6927 | Seq. ID | OJ990501_31.9917.C2 |
| Gene No. | 14546 | Strand | - |
| Start | 4176 | End | 4616 |
| Name | OJ990501_31.9917.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 4194 | End | 4556 |
| GI | none | Score | 35 |
| Exons | 4194..4235, 4220..4276, 4221..4274, 4282..4329, 4327..4392, 4328..4396, 4448..4555, 4452..4556 | | |

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|---|---|---|---|
| Seq. No. | 6928 | Seq. ID | OJ990501_31.9917.C3 |
| Gene No. | 14547 | Strand | + |
| Start | 476 | End | 572 |
| Name | OJ990501_31.9917.C3.o1.np | Method | AAT/NAP |
| Start | 476 | End | 572 |
| GI | 2498930 | Score | 51 |
| Exons | 476..572 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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|---|---|---|---|
| Seq. No. | 6928 | Seq. ID | OJ990501_31.9917.C3 |
| Gene No. | 14548 | Strand | + |

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|---|---|---|---|
| Start | 480 | End | 539 |
| Name | OJ990501_31.9917.C3.o1.gs | Method | GENSCAN |
| Start | 480 | End | 539 |
| GI | none | Score | .95 |
| Exons | 480..539 | | |

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|---|---|---|---|
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14549 | Strand | - |
| Start | 1146 | End | 3859 |
| Name | OJ990501_31.9917.C4.o1.gs | Method | GENSCAN |
| Start | 1146 | End | 3859 |
| GI | none | Score | .87 |
| Exons | 1146..1164, 1245..1331, 1419..1498, 1578..1748, 1914..2094, 2169..2329, 2416..2536, 3166..3268, 3363..3636, 3716..3859 | | |

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|---|---|---|---|
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 1851 | End | 2853 |
| GI | none | Score | 84 |
| Exons | 1851..1967, 1852..1995, 1971..2096, 1972..2097, 2168..2275, 2291..2323, 2416..2466, 2619..2702, 2627..2695, 2800..2853, 2800..2853 | | |

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|---|---|---|---|
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 3475 | End | 3860 |
| GI | none | Score | 77 |
| Exons | 3475..3612, 3475..3621, 3698..3859, 3699..3860 | | |

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|---|---|---|---|
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o2.np | Method | AAT/NAP |
| Start | 4158 | End | 4721 |
| GI | 6970289 | Score | 439 |
| Exons | 4158..4721 | | |
| GI Descrip. | (AC021666) hypothetical protein, 5' partial [Arabidopsis thaliana] | | |

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| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 4233 | End | 4415 |
| GI | none | Score | 85 |
| Exons | 4233..4415, 4234..4413, 4269..4415 | | |

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|---|---|---|---|
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 4341 | End | 4659 |
| GI | none | Score | 51 |

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|---|---|---|---|
| Exons | 4341..4415, 4342..4419, 4434..4658, 4441..4659 | | |
| Seq. No. | 6929 | Seq. ID | OJ990501_31.9917.C4 |
| Gene No. | 14550 | Strand | - |
| Start | 4158 | End | 4721 |
| Name | OJ990501_31.9917.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 4407 | End | 4662 |
| GI | none | Score | 83 |
| Exons | 4407..4655, 4459..4662 | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14551 | Strand | + |
| Start | 5945 | End | 9167 |
| Name | OJ990501_31.9917.C5.o2.gs | Method | GENSCAN |
| Start | 5945 | End | 9167 |
| GI | none | Score | .43 |
| Exons | 5945..6097, 8691..9167 | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14552 | Strand | + |
| Start | 10013 | End | 10397 |
| Name | OJ990501_31.9917.C5.o1.gp | Method | AAT/GAP |
| Start | 10013 | End | 10397 |
| GI | uC-osflcyp033a04b1 | Score | 678 |
| Exons | 10013..10397 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14553 | Strand | + |
| Start | 11775 | End | 12878 |
| Name | OJ990501_31.9917.C5.o4.gs | Method | GENSCAN |
| Start | 11775 | End | 12878 |
| GI | none | Score | .81 |
| Exons | 11775..12878 | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3220 |
| GI | 4585985 | Score | 1662 |
| Exons | 1..220, 455..1797, 1875..2354, 2586..3109, 3141..3220 | | |
| GI Descrip. | (AC005287) Hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 215 | End | 670 |
| GI | none | Score | 103 |
| Exons | 215..430, 216..356, 461..628, 602..670 | | |
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 268 | End | 4538 |
| GI | none | Score | .7 |
| Exons | 268..1728, 2595..2981, 3120..3263, 3338..3400, 3726..3905, 4358..4538 | | |

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|---|---|---|---|
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o2.np | Method | AAT/NAP |
| Start | 1508 | End | 14820 |
| GI | 5852180 | Score | 580 |
| Exons | 1508..1536, 7918..7971, 8678..9085, 9137..9255, 10246..10308, 14735..14820 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 1733 | End | 2128 |
| GI | none | Score | 51 |
| Exons | 1733..1798, 1739..1798, 1876..1998, 1877..1993, 1994..2128, 1999..2124, 2012..2128 | | |

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| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 1895 | End | 2286 |
| GI | none | Score | 70 |
| Exons | 1895..2011, 1909..1986, 1985..2224, 2011..2286, 2020..2274 | | |

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|---|---|---|---|
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 2131 | End | 2937 |
| GI | none | Score | 59 |
| Exons | 2131..2400, 2425..2778, 2426..2512, 2579..2770, 2782..2871, 2881..2937 | | |

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|---|---|---|---|
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o3.gs | Method | GENSCAN |
| Start | 9438 | End | 10809 |
| GI | none | Score | .61 |
| Exons | 9438..9531, 9914..10086, 10759..10809 | | |

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|---|---|---|---|
| Seq. No. | 6930 | Seq. ID | OJ990501_31.9917.C5 |
| Gene No. | 14554 | Strand | - |
| Start | 1 | End | 14820 |
| Name | OJ990501_31.9917.C5.o5.gs | Method | GENSCAN |
| Start | 14615 | End | 14793 |
| GI | none | Score | .91 |
| Exons | 14615..14793 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14555 | Strand | + |
| Start | 24416 | End | 27658 |
| Name | OJ990501_31.9917.C6.o3.np | Method | AAT/NAP |
| Start | 24416 | End | 27655 |
| GI | 5803259 | Score | 4277 |
| Exons | 24416..25677, 25777..27655 | | |
| GI Descrip. | (AP000399) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14555 | Strand | + |
| Start | 24416 | End | 27658 |
| Name | OJ990501_31.9917.C6.o5.gs | Method | GENSCAN |
| Start | 24416 | End | 27658 |
| GI | none | Score | .88 |
| Exons | 24416..27658 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14556 | Strand | + |
| Start | 34522 | End | 34963 |
| Name | OJ990501_31.9917.C6.o5.np | Method | AAT/NAP |
| Start | 34522 | End | 34963 |
| GI | 5922623 | Score | 88 |
| Exons | 34522..34602, 34940..34963 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14557 | Strand | - |
| Start | 6665 | End | 11248 |
| Name | OJ990501_31.9917.C6.o1.gp | Method | AAT/GAP |
| Start | 6665 | End | 9798 |
| GI | none | Score | 909 |
| Exons | 6665..7014, 9658..9798 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14557 | Strand | - |
| Start | 6665 | End | 11248 |
| Name | OJ990501_31.9917.C6.o2.gs | Method | GENSCAN |
| Start | 9676 | End | 10818 |
| GI | none | Score | .97 |
| Exons | 9676..10818 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14557 | Strand | - |
| Start | 6665 | End | 11248 |
| Name | OJ990501_31.9917.C6.o1.np | Method | AAT/NAP |
| Start | 9679 | End | 10818 |
| GI | 6735313 | Score | 928 |
| Exons | 9679..10583, 10626..10818 | | |
| GI Descrip. | (AL137080) dnaJ-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14557 | Strand | - |
| Start | 6665 | End | 11248 |
| Name | OJ990501_31.9917.C6.o2.gp | Method | AAT/GAP |

| | | | |
|---|---|---|---|
| Start | 10632 | End | 11248 |
| GI | 36775_1.R1084 | Score | 862 |
| Exons | 10632..10934, 11055..11248 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14558 | Strand | - |
| Start | 19651 | End | 19950 |
| Name | OJ990501_31.9917.C6.o3.gp | Method | AAT/GAP |
| Start | 19651 | End | 19950 |
| GI | 61605_3.R1084 | Score | 429 |
| Exons | 19651..19950 | | |
| GI Descrip. | '1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14559 | Strand | - |
| Start | 20315 | End | 24127 |
| Name | OJ990501_31.9917.C6.o2.np | Method | AAT/NAP |
| Start | 20315 | End | 24127 |
| GI | 6063554 | Score | 514 |
| Exons | 20315..20489, 21124..21151, 21470..21691, 21809..22088, 24108..24127 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14559 | Strand | - |
| Start | 20315 | End | 24127 |
| Name | OJ990501_31.9917.C6.o4.gp | Method | AAT/GAP |
| Start | 20922 | End | 21658 |
| GI | 101153_1.R1084 | Score | 661 |
| Exons | 20922..21151, 21470..21658 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14559 | Strand | - |
| Start | 20315 | End | 24127 |
| Name | OJ990501_31.9917.C6.o4.gs | Method | GENSCAN |
| Start | 22588 | End | 23254 |
| GI | none | Score | .45 |
| Exons | 22588..22596, 22766..22923, 23164..23254 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14560 | Strand | - |
| Start | 28290 | End | 34445 |
| Name | OJ990501_31.9917.C6.o6.gs | Method | GENSCAN |
| Start | 28290 | End | 31955 |
| GI | none | Score | .99 |
| Exons | 28290..31955 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14560 | Strand | - |
| Start | 28290 | End | 34445 |

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|---|---|---|---|
| Name | OJ990501_31.9917.C6.o4.np | Method | AAT/NAP |
| Start | 28293 | End | 33939 |
| GI | 6498441 | Score | 6770 |
| Exons | 28293..28574, 28668..30065, 30237..30604, 30797..31152, 31327..31461, 31645..32018, 32082..32545, 32876..33939 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14560 | Strand | - |
| Start | 28290 | End | 34445 |
| Name | OJ990501_31.9917.C6.o7.gs | Method | GENSCAN |
| Start | 32019 | End | 34445 |
| GI | none | Score | .92 |
| Exons | 32019..34445 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 6707 | End | 10488 |
| GI | none | Score | 55 |
| Exons | 6707..6787, 6735..6785, 6741..6800, 6743..6796, 6882..6956, 6883..6957, 6883..6972, 6899..6979, 9669..9941, 9670..9942, 9671..10063, 9676..9957, 9947..10063, 10015..10215, 10051..10146, 10053..10202, 10198..10488, 10203..10265, 10223..10483 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 9658 | End | 10443 |
| GI | none | Score | 230 |
| Exons | 9658..9957, 9677..10039, 10021..10131, 10103..10132, 10123..10443, 10128..10253, 10223..10420 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 9662 | End | 10386 |
| GI | none | Score | 69 |
| Exons | 9662..9793, 9667..9792, 9850..9924, 9928..9957, 9929..10024, 10084..10386, 10128..10181, 10226..10372 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o5.tm | Method | TBLASTX:Maize |
| Start | 28263 | End | 28433 |
| GI | none | Score | 125 |
| Exons | 28263..28433, 28264..28428 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |

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|---|---|---|---|
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o7.tw | Method | TBLASTX:Wheat |
| Start | 28302 | End | 28904 |
| GI | none | Score | 83 |
| Exons | 28302..28427, 28306..28428, 28620..28904, 28621..28899 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o4.tw | Method | TBLASTX:Wheat |
| Start | 28905 | End | 29286 |
| GI | none | Score | 172 |
| Exons | 28905..29285, 28936..29184, 29230..29286 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 29100 | End | 29423 |
| GI | none | Score | 192 |
| Exons | 29100..29423, 29113..29394 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o8.tw | Method | TBLASTX:Wheat |
| Start | 29616 | End | 29928 |
| GI | none | Score | 68 |
| Exons | 29616..29876, 29752..29928 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o3.ts | Method | TBLASTX:Soybean |
| Start | 29676 | End | 30242 |
| GI | 5666795 | Score | 68 |
| Exons | 29676..29876, 29931..30068, 30144..30242 | | |
| GI Descrip. | 4206306 2.0e-10 (AF049110) prpol [Zea mays] | | |

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| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o5.tw | Method | TBLASTX:Wheat |
| Start | 29931 | End | 30389 |
| GI | none | Score | 92 |
| Exons | 29931..30071, 29932..30069, 30127..30300, 30141..30389, 30141..30365 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 30990 | End | 31361 |
| GI | none | Score | 90 |
| Exons | 30990..31361, 31201..31344 | | |

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| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |

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|---|---|---|---|
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 31015 | End | 31439 |
| GI | none | Score | 328 |
| Exons | 31015..31434, 31020..31439 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o4.tm | Method | TBLASTX:Maize |
| Start | 31113 | End | 31497 |
| GI | none | Score | 221 |
| Exons | 31113..31496, 31132..31497 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 31524 | End | 31880 |
| GI | none | Score | 116 |
| Exons | 31524..31829, 31524..31880, 31534..31845 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 31548 | End | 32010 |
| GI | none | Score | 400 |
| Exons | 31548..32009, 31549..32010 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o4.ts | Method | TBLASTX:Soybean |
| Start | 31605 | End | 31970 |
| GI | none | Score | 117 |
| Exons | 31605..31739, 31746..31970 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o3.tw | Method | TBLASTX:Wheat |
| Start | 32175 | End | 32661 |
| GI | none | Score | 172 |
| Exons | 32175..32660, 32179..32466, 32488..32661 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o6.tw | Method | TBLASTX:Wheat |
| Start | 33399 | End | 33791 |
| GI | none | Score | 89 |
| Exons | 33399..33656, 33433..33672, 33639..33737, 33640..33720, 33744..33791 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |

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|---|---|---|---|
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o6.tm | Method | TBLASTX:Maize |
| Start | 33501 | End | 33786 |
| GI | none | Score | 103 |
| Exons | 33501..33749, 33502..33786 | | |

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|---|---|---|---|
| Seq. No. | 6931 | Seq. ID | OJ990501_31.9917.C6 |
| Gene No. | 14561 | Strand | - |
| Start | 34675 | End | 34730 |
| Name | OJ990501_31.9917.C6.o6.np | Method | AAT/NAP |
| Start | 34675 | End | 34730 |
| GI | 5042454 | Score | 77 |
| Exons | 34675..34730 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14562 | Strand | + |
| Start | 1 | End | 1517 |
| Name | OJ990501_31.9917.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1349 |
| GI | 5922623 | Score | 147 |
| Exons | 1..59, 228..303, 1285..1349 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14562 | Strand | + |
| Start | 1 | End | 1517 |
| Name | OJ990501_31.9917.C7.o2.np | Method | AAT/NAP |
| Start | 1 | End | 1517 |
| GI | 5922623 | Score | 154 |
| Exons | 1..59, 228..303, 1480..1517 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14562 | Strand | + |
| Start | 1 | End | 1517 |
| Name | OJ990501_31.9917.C7.o3.np | Method | AAT/NAP |
| Start | 1 | End | 1078 |
| GI | 6063554 | Score | 88 |
| Exons | 1..49, 906..1078 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14563 | Strand | + |
| Start | 7894 | End | 9745 |
| Name | OJ990501_31.9917.C7.o4.np | Method | AAT/NAP |
| Start | 7894 | End | 9642 |
| GI | 5103837 | Score | 588 |
| Exons | 7894..8070, 8657..8860, 9033..9122, 9234..9301, 9405..9642 | | |
| GI Descrip. | (AC007591) Simalar to gi\|4377403 Polypeptide Deformylase from | | |

Chlamydia pneumoniae genome gb|AE001687. [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14563 | Strand | + |
| Start | 7894 | End | 9745 |
| Name | OJ990501_31.9917.C7.o2.gp | Method | AAT/GAP |
| Start | 8586 | End | 9176 |
| GI | uC-osf1cyp154h05b1 | Score | 668 |
| Exons | 8586..8860, 9033..9176 | | |
| GI Descrip. | '5103837/gb\|AAD39667.1\|AC007591_32 4.0e-32 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb_AE001687. [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14563 | Strand | + |
| Start | 7894 | End | 9745 |
| Name | OJ990501_31.9917.C7.o3.gp | Method | AAT/GAP |
| Start | 9249 | End | 9745 |
| GI | uC-osf1cyp154h05a1 | Score | 622 |
| Exons | 9249..9301, 9410..9745 | | |
| GI Descrip. | '5103837/gb\|AAD39667.1\|AC007591_32 4.0e-19 (AC007591) Simalar to gi_4377403 Polypeptide Deformylase from Chlamydia pneumoniae genome gb_AE001687. [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14564 | Strand | + |
| Start | 12046 | End | 13583 |
| Name | OJ990501_31.9917.C7.o4.gp | Method | AAT/GAP |
| Start | 12046 | End | 12562 |
| GI | 67948_1.R1084 | Score | 954 |
| Exons | 12046..12562 | | |
| GI Descrip. | '3269297/emb\|CAA19730.1\| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14564 | Strand | + |
| Start | 12046 | End | 13583 |
| Name | OJ990501_31.9917.C7.o3.gs | Method | GENSCAN |
| Start | 12317 | End | 13323 |
| GI | none | Score | .98 |
| Exons | 12317..12796, 13162..13323 | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14564 | Strand | + |
| Start | 12046 | End | 13583 |
| Name | OJ990501_31.9917.C7.o5.np | Method | AAT/NAP |
| Start | 12677 | End | 13299 |
| GI | 5305395 | Score | 144 |
| Exons | 12677..12796, 13162..13299 | | |
| GI Descrip. | (AF072331) dynein light chain 5 [Schistosoma japonicum] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14564 | Strand | + |
| Start | 12046 | End | 13583 |
| Name | OJ990501_31.9917.C7.o5.gp | Method | AAT/GAP |
| Start | 13138 | End | 13583 |
| GI | 3766591 | Score | 758 |

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|---|---|---|---|
| Exons | 13138..13583 | | |
| GI Descrip. | 3269297/emb\|CAA19730.1\| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14565 | Strand | + |
| Start | 15761 | End | 15860 |
| Name | OJ990501_31.9917.C7.o6.np | Method | AAT/NAP |
| Start | 15761 | End | 15860 |
| GI | 6815109 | Score | 76 |
| Exons | 15761..15860 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14566 | Strand | - |
| Start | 10691 | End | 11901 |
| Name | OJ990501_31.9917.C7.o2.gs | Method | GENSCAN |
| Start | 10691 | End | 11901 |
| GI | none | Score | .72 |
| Exons | 10691..10708, 10995..11080, 11751..11901 | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 8671 | End | 9269 |
| GI | none | Score | 290 |
| Exons | 8671..8865, 8672..8863, 9031..9123, 9032..9121, 9032..9133, 9033..9125, 9234..9269 | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 8680 | End | 9299 |
| GI | none | Score | 236 |
| Exons | 8680..8865, 8681..8863, 9032..9127, 9033..9125, 9234..9299 | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o2.tc | Method | TBLASTX:Cress |
| Start | 8689 | End | 9089 |
| GI | none | Score | 201 |
| Exons | 8689..8865, 8690..8863, 9033..9089 | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 9477 | End | 9645 |
| GI | none | Score | 212 |
| Exons | 9477..9626, 9478..9645, 9481..9630 | | |
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |

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|---|---|---|---|
| Name | OJ990501_31.9917.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 12311 | End | 12643 |
| GI | none | Score | 48 |
| Exons | 12311..12337, 12313..12342, 12337..12411, 12338..12412, 12449..12499, 12455..12490, 12511..12573, 12518..12574, 12590..12643 | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 13140 | End | 13299 |
| GI | none | Score | 192 |
| Exons | 13140..13268, 13141..13299, 13177..13293 | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 13153 | End | 13299 |
| GI | 4302625 | Score | 193 |
| Exons | 13153..13299, 13158..13292 | | |
| GI Descrip. | 2811014/sp_O02414_DYL1_ANTCR 1.0e-10 DYNEIN LIGHT CHAIN LC6, FLAGELLAR OUTER ARM >gi_2208914_dbj_BAA20525_ (AB004830) outer arm dynein LC6 [Anthocidaris crassispina] | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 13156 | End | 13322 |
| GI | none | Score | 214 |
| Exons | 13156..13302, 13160..13264, 13161..13322, 13161..13256 | | |

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|---|---|---|---|
| Seq. No. | 6932 | Seq. ID | OJ990501_31.9917.C7 |
| Gene No. | 14567 | Strand | - |
| Start | 18269 | End | 18507 |
| Name | OJ990501_31.9917.C7.o6.gp | Method | AAT/GAP |
| Start | 18269 | End | 18507 |
| GI | 17629_1.R1084 | Score | 415 |
| Exons | 18269..18507 | | |
| GI Descrip. | '3269297/emb\|CAA19730.1\| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14568 | Strand | + |
| Start | 343 | End | 5455 |
| Name | OJ990501_31.9917.C8.o1.gs | Method | GENSCAN |
| Start | 343 | End | 5455 |
| GI | none | Score | .71 |
| Exons | 343..410, 868..1099, 1195..1422, 2771..2895, 3113..3686, 4261..4511, 5125..5259, 5431..5455 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14568 | Strand | + |
| Start | 343 | End | 5455 |
| Name | OJ990501_31.9917.C8.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 855 | End | 1048 |
| GI | 17629_1.R1084 | Score | 349 |
| Exons | 855..1048 | | |
| GI Descrip. | '3269297/emb\|CAA19730.1\| 4.0e-13 (AL030978) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14568 | Strand | + |
| Start | 343 | End | 5455 |
| Name | OJ990501_31.9917.C8.o2.gp | Method | AAT/GAP |
| Start | 1009 | End | 1696 |
| GI | none | Score | 1056 |
| Exons | 1009..1099, 1195..1696 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14568 | Strand | + |
| Start | 343 | End | 5455 |
| Name | OJ990501_31.9917.C8.o2.np | Method | AAT/NAP |
| Start | 2541 | End | 4533 |
| GI | 5103839 | Score | 524 |
| Exons | 2541..2593, 3218..3686, 4261..4533 | | |
| GI Descrip. | (AC007591) Is a member of the PF\|01177 Aspartate-glutamate racemase family. EST gb\|T43554 comes from this gene. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14568 | Strand | + |
| Start | 343 | End | 5455 |
| Name | OJ990501_31.9917.C8.o3.gp | Method | AAT/GAP |
| Start | 4963 | End | 5397 |
| GI | none | Score | 793 |
| Exons | 4963..5397 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 862 | End | 1491 |
| GI | none | Score | 258 |
| Exons | 862..1080, 863..1084, 863..1084, 970..1104, 1192..1491, 1192..1410, 1197..1490 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 862 | End | 1012 |
| GI | none | Score | 216 |
| Exons | 862..999, 863..1003, 863..1012 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 862 | End | 1497 |
| GI | none | Score | 327 |
| Exons | 862..1077, 863..1084, 863..1084, 865..1104, 1192..1497, | | |

1192..1491, 1194..1493

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 862 | End | 1281 |
| GI | none | Score | 242 |
| Exons | 862..1080, 863..1084, 863..1084, 864..1100, 1192..1281, 1192..1275, 1197..1277 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o2.tc | Method | TBLASTX:Cress |
| Start | 3588 | End | 4518 |
| GI | none | Score | 69 |
| Exons | 3588..3683, 4255..4518, 4258..4371, 4260..4517 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o3.np | Method | AAT/NAP |
| Start | 6932 | End | 7941 |
| GI | 5803246 | Score | 273 |
| Exons | 6932..7013, 7619..7941 | | |
| GI Descrip. | (AP000399) ESTs AU077984(C62969),D41648(S4289), AU063584(C62969) correspond to a region of the predicted gene; similar to putative Ser/Thr protein kinase (AC003105) [Oryza sativa] | | |

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| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o2.ts | Method | TBLASTX:Soybean |
| Start | 6950 | End | 7932 |
| GI | none | Score | 65 |
| Exons | 6950..7006, 7672..7791, 7693..7764, 7694..7765, 7771..7803, 7801..7932, 7838..7930 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 6962 | End | 7959 |
| GI | none | Score | 318 |
| Exons | 6962..7006, 7672..7959, 7673..7924 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14569 | Strand | - |
| Start | 6932 | End | 7959 |
| Name | OJ990501_31.9917.C8.o3.tc | Method | TBLASTX:Cress |
| Start | 7678 | End | 7932 |
| GI | none | Score | 51 |
| Exons | 7678..7764, 7694..7765, 7705..7791, 7771..7803, 7837..7932, 7838..7930 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |

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|---|---|---|---|
| Gene No. | 14570 | Strand | |
| Start | 10296 | End | 10783 |
| Name | OJ990501_31.9917.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 10296 | End | 10774 |
| GI | none | Score | 64 |
| Exons | 10296..10391, 10313..10384, 10385..10432, 10439..10597, 10442..10564, 10676..10774 | | |

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|---|---|---|---|
| Seq. No. | 6933 | Seq. ID | OJ990501_31.9917.C8 |
| Gene No. | 14570 | Strand | |
| Start | 10296 | End | 10783 |
| Name | OJ990501_31.9917.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 10490 | End | 10783 |
| GI | none | Score | 81 |
| Exons | 10490..10597, 10588..10776, 10589..10783 | | |

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|---|---|---|---|
| Seq. No. | 6934 | Seq. ID | OJ990501_31.9917.C9 |
| Gene No. | 14571 | Strand | + |
| Start | 1979 | End | 2141 |
| Name | OJ990501_31.9917.C9.o1.gp | Method | AAT/GAP |
| Start | 1979 | End | 2141 |
| GI | uC-osflcyp154c08a1 | Score | 272 |
| Exons | 1979..2141 | | |
| GI Descrip. | '5701799/emb\|CAB52175.1\| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6934 | Seq. ID | OJ990501_31.9917.C9 |
| Gene No. | 14572 | Strand | - |
| Start | 3744 | End | 4680 |
| Name | OJ990501_31.9917.C9.o1.gs | Method | GENSCAN |
| Start | 3744 | End | 4680 |
| GI | none | Score | .8 |
| Exons | 3744..3818, 4627..4680 | | |

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|---|---|---|---|
| Seq. No. | 6935 | Seq. ID | OJ990501_30.9919.C1 |
| Gene No. | 14573 | Strand | + |
| Start | 240 | End | 529 |
| Name | OJ990501_30.9919.C1.o1.np | Method | AAT/NAP |
| Start | 240 | End | 529 |
| GI | 4914442 | Score | 115 |
| Exons | 240..529 | | |
| GI Descrip. | (AL050351) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6935 | Seq. ID | OJ990501_30.9919.C1 |
| Gene No. | 14573 | Strand | + |
| Start | 240 | End | 529 |
| Name | OJ990501_30.9919.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 242 | End | 510 |
| GI | none | Score | 49 |
| Exons | 242..295, 260..346, 362..502, 373..510, 453..506 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14574 | Strand | + |
| Start | 195 | End | 515 |
| Name | OJ990501_30.9919.C2.o1.gs | Method | GENSCAN |
| Start | 195 | End | 515 |
| GI | none | Score | .75 |

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|---|---|---|---|
| Exons | 195..515 | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14575 | Strand | + |
| Start | 5977 | End | 9960 |
| Name | OJ990501_30.9919.C2.o1.np | Method | AAT/NAP |
| Start | 5977 | End | 9960 |
| GI | 6729489 | Score | 737 |
| Exons | 5977..6030, 6804..8134, 8233..8811, 9872..9960 | | |
| GI Descrip. | (AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana] | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14575 | Strand | + |
| Start | 5977 | End | 9960 |
| Name | OJ990501_30.9919.C2.o4.gs | Method | GENSCAN |
| Start | 6708 | End | 8931 |
| GI | none | Score | .98 |
| Exons | 6708..8134, 8380..8697, 8820..8931 | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14576 | Strand | + |
| Start | 10812 | End | 15636 |
| Name | OJ990501_30.9919.C2.o2.np | Method | AAT/NAP |
| Start | 10812 | End | 15601 |
| GI | 2827715 | Score | 268 |
| Exons | 10812..10901, 14453..14622, 14720..15261, 15507..15601 | | |
| GI Descrip. | (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana] | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14576 | Strand | + |
| Start | 10812 | End | 15636 |
| Name | OJ990501_30.9919.C2.o3.np | Method | AAT/NAP |
| Start | 14413 | End | 15636 |
| GI | 6729489 | Score | 501 |
| Exons | 14413..14622, 14720..15244, 15451..15636 | | |
| GI Descrip. | (AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana] | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14577 | Strand | - |
| Start | 742 | End | 2397 |
| Name | OJ990501_30.9919.C2.o2.gs | Method | GENSCAN |
| Start | 742 | End | 2397 |
| GI | none | Score | .64 |
| Exons | 742..916, 1022..1363, 1433..1617, 1720..1787, 1827..2126, 2163..2397 | | |
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14578 | Strand | - |
| Start | 2560 | End | 3195 |
| Name | OJ990501_30.9919.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 1273 | End | 1650 |
| GI | none | Score | 62 |
| Exons | 1273..1428, 1274..1429, 1510..1650 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14578 | Strand | - |
| Start | 2560 | End | 3195 |
| Name | OJ990501_30.9919.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 2434 | End | 2742 |
| GI | none | Score | 183 |
| Exons | 2434..2742 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14578 | Strand | - |
| Start | 2560 | End | 3195 |
| Name | OJ990501_30.9919.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 2479 | End | 2889 |
| GI | none | Score | 70 |
| Exons | 2479..2754, 2785..2889 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14578 | Strand | - |
| Start | 2560 | End | 3195 |
| Name | OJ990501_30.9919.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 2542 | End | 2889 |
| GI | none | Score | 105 |
| Exons | 2542..2754, 2773..2889 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14578 | Strand | - |
| Start | 2560 | End | 3195 |
| Name | OJ990501_30.9919.C2.o3.gs | Method | GENSCAN |
| Start | 2560 | End | 3195 |
| GI | none | Score | .9 |
| Exons | 2560..3195 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14579 | Strand | |
| Start | 6681 | End | 7484 |
| Name | OJ990501_30.9919.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 6681 | End | 7484 |
| GI | none | Score | 54 |
| Exons | 6681..6836, 6848..6889, 6921..7076, 6938..7075, 7167..7223, 7175..7264, 7236..7283, 7404..7484 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14579 | Strand | |
| Start | 6681 | End | 7484 |
| Name | OJ990501_30.9919.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 6863 | End | 7176 |
| GI | none | Score | 225 |
| Exons | 6863..7129, 6927..7175, 6945..7175, 7045..7176 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 7758 | End | 15260 |
| GI | none | Score | 109 |
| Exons | 7758..7961, 7944..8102, 8230..8388, 8231..8422, 8410..8541, 8414..8551, 8552..8737, 8573..8782, 14432..14590, 14717..14875, | | |

14718..14909, 14897..15028, 14901..15038, 15060..15260

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| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 7794 | End | 14527 |
| GI | none | Score | 103 |
| Exons | 7794..7907, 7811..7906, 7941..8039, 7949..8038, 7990..8040, 14429..14527, 14437..14526 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 7872 | End | 14990 |
| GI | none | Score | 53 |
| Exons | 7872..7928, 7944..8138, 8227..8388, 8228..8392, 8414..8503, 8414..8470, 14432..14638, 14714..14905, 14715..14879, 14901..14990, 14901..14957 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 8040 | End | 15278 |
| GI | none | Score | 88 |
| Exons | 8040..8135, 8230..8391, 8231..8392, 8270..8392, 8414..8569, 8579..8812, 14528..14623, 14717..14884, 14718..14879, 14901..15056, 15066..15278, 15068..15220 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 8230 | End | 15032 |
| GI | none | Score | 130 |
| Exons | 8230..8370, 8231..8380, 8413..8541, 8414..8545, 14717..14857, 14718..14867, 14900..15028, 14901..15032 | | |

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|---|---|---|---|
| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14580 | Strand | |
| Start | 7758 | End | 15278 |
| Name | OJ990501_30.9919.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 11197 | End | 11346 |
| GI | none | Score | 162 |
| Exons | 11197..11346, 11199..11345 | | |

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| Seq. No. | 6936 | Seq. ID | OJ990501_30.9919.C2 |
| Gene No. | 14581 | Strand | |
| Start | 17639 | End | 18595 |
| Name | OJ990501_30.9919.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 17639 | End | 18595 |
| GI | none | Score | 50 |
| Exons | 17639..17731, 17648..17737, 17661..17738, 17696..17764, 17769..17894, 17774..17911, 17781..17888, 17798..17884, 17803..17892, 17805..17894, 17806..17907, 17807..17887, | | |

17808..17951, 17810..17887, 17811..17918, 17921..18019,
17921..18019, 17928..18083, 17928..18041, 17940..18041,
17942..18016, 17943..18047, 17949..18032, 17950..18006,
17950..18006, 18072..18194, 18082..18204, 18083..18211,
18084..18242, 18089..18238, 18091..18204, 18092..18232,
18092..18223, 18092..18256, 18096..18272, 18098..18250,
18098..18247, 18118..18156, 18168..18278, 18185..18277,
18239..18331, 18239..18331, 18266..18343, 18268..18432,
18269..18412, 18272..18418, 18273..18419, 18275..18421,
18278..18433, 18280..18441, 18280..18426, 18283..18423,
18312..18422, 18312..18434, 18316..18423, 18322..18441,
18328..18588, 18360..18398, 18474..18575, 18475..18576,
18475..18588, 18481..18567, 18494..18595, 18495..18578

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.gs | Method | GENSCAN |
| Start | 2527 | End | 18824 |
| GI | none | Score | .51 |
| Exons | 2527..2535, 2786..4233, 4331..5109, 6077..6226, 6419..6660, 6911..7704, 8416..9398, 9525..9649, 9971..10158, 10989..11160, 11198..11401, 11455..11557, 13785..14026, 16419..16572, 17011..17083, 17551..18824 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.np | Method | AAT/NAP |
| Start | 2892 | End | 5070 |
| GI | 6729489 | Score | 661 |
| Exons | 2892..4233, 4331..5070 | | |
| GI Descrip. | (AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o3.ts | Method | TBLASTX:Soybean |
| Start | 3077 | End | 18325 |
| GI | none | Score | 120 |
| Exons | 3077..3229, 3112..3228, 3302..3376, 3316..3411, 3389..3430, 3548..3625, 17615..17938, 17656..17937, 18005..18082, 18022..18078, 18080..18142, 18179..18325 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o7.tm | Method | TBLASTX:Maize |
| Start | 3086 | End | 18025 |
| GI | none | Score | 200 |
| Exons | 3086..3328, 3092..3328, 17773..18024, 17795..18025 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 3386 | End | 18835 |
| GI | none | Score | 57 |
| Exons | 3386..3436, 3464..3664, 3857..4042, 4043..4201, 4328..4435, 4329..4490, 4508..4639, 4512..4640, 4656..4856, 4673..4834, 18269..18370, 18542..18727, 18728..18835 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 3914 | End | 18811 |
| GI | none | Score | 82 |
| Exons | 3914..4000, 4040..4213, 4329..4481, 4524..4664, 4677..4859, 18584..18685, 18725..18811 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 3971 | End | 18835 |
| GI | none | Score | 54 |
| Exons | 3971..4027, 4043..4246, 4326..4490, 4328..4438, 4512..4601, 4528..4569, 18656..18712, 18728..18835 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o6.tw | Method | TBLASTX:Wheat |
| Start | 4329 | End | 4643 |
| GI | none | Score | 144 |
| Exons | 4329..4481, 4512..4643, 4523..4639 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o4.tw | Method | TBLASTX:Wheat |
| Start | 6848 | End | 7234 |
| GI | none | Score | 350 |
| Exons | 6848..7234, 6859..7230, 6908..7231 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o2.np | Method | AAT/NAP |
| Start | 6854 | End | 13644 |
| GI | 6539553 | Score | 6390 |
| Exons | 6854..10436, 13328..13644 | | |
| GI Descrip. | (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o3.tm | Method | TBLASTX:Maize |
| Start | 6983 | End | 7296 |

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|---|---|---|---|
| GI | none | Score | 340 |
| Exons | 6983..7294, 6989..7291, 7015..7296 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 7795 | End | 8116 |
| GI | none | Score | 259 |
| Exons | 7795..8049, 7802..8116, 7803..8114, 7822..8115 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o7.ts | Method | TBLASTX:Soybean |
| Start | 8144 | End | 8530 |
| GI | none | Score | 88 |
| Exons | 8144..8299, 8282..8530 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o5.tw | Method | TBLASTX:Wheat |
| Start | 8249 | End | 8587 |
| GI | none | Score | 261 |
| Exons | 8249..8587, 8381..8566 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o5.tm | Method | TBLASTX:Maize |
| Start | 8318 | End | 8752 |
| GI | none | Score | 293 |
| Exons | 8318..8752, 8533..8727 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o5.ts | Method | TBLASTX:Soybean |
| Start | 8540 | End | 8938 |
| GI | none | Score | 192 |
| Exons | 8540..8764, 8548..8718, 8555..8749, 8765..8938, 8773..8811 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 8588 | End | 9343 |
| GI | none | Score | 898 |
| Exons | 8588..9343, 8596..9075, 9095..9343 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o2.ts | Method | TBLASTX:Soybean |
| Start | 9263 | End | 9727 |
| GI | 5509260 | Score | 346 |

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|---|---|---|---|
| Exons | 9263..9727, 9481..9582, 9664..9708 | | |
| GI Descrip. | - | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 9356 | End | 9616 |
| GI | none | Score | 269 |
| Exons | 9356..9616, 9358..9435 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o2.tw | Method | TBLASTX:Wheat |
| Start | 9398 | End | 9943 |
| GI | none | Score | 282 |
| Exons | 9398..9742, 9734..9943 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o4.tm | Method | TBLASTX:Maize |
| Start | 9398 | End | 9844 |
| GI | none | Score | 327 |
| Exons | 9398..9844, 9533..9688, 9676..9759 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o4.ts | Method | TBLASTX:Soybean |
| Start | 9796 | End | 10123 |
| GI | none | Score | 283 |
| Exons | 9796..9996, 9797..10123 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o6.tm | Method | TBLASTX:Maize |
| Start | 9952 | End | 10290 |
| GI | none | Score | 123 |
| Exons | 9952..10140, 9953..10123, 10014..10136, 10140..10289, 10141..10290 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o3.tw | Method | TBLASTX:Wheat |
| Start | 10146 | End | 13513 |
| GI | none | Score | 101 |
| Exons | 10146..10217, 10147..10221, 10148..10219, 10236..10430, 10236..10436, 10237..10437, 10237..10437, 13320..13475, 13325..13513, 13326..13478, 13373..13513 | | |
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |

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|---|---|---|---|
| Name | OJ990501_30.9919.C3.o6.ts | Method | TBLASTX:Soybean |
| Start | 10153 | End | 10433 |
| GI | none | Score | 87 |
| Exons | 10153..10266, 10179..10259, 10285..10431, 10290..10433 | | |

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|---|---|---|---|
| Seq. No. | 6937 | Seq. ID | OJ990501_30.9919.C3 |
| Gene No. | 14582 | Strand | + |
| Start | 2527 | End | 18835 |
| Name | OJ990501_30.9919.C3.o3.np | Method | AAT/NAP |
| Start | 17558 | End | 18436 |
| GI | 126151 | Score | 310 |
| Exons | 17558..18436 | | |
| GI Descrip. | LECTIN PRECURSOR (AGGLUTININ) (SBA) gi\|282898\|pir\|\|S27365 lectin precursor - soybean gi\|170006 (K00821) lectin prepeptide [Glycine max] | | |

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|---|---|---|---|
| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 696 |
| GI | 1418331 | Score | 405 |
| Exons | 1..71, 103..696 | | |
| GI Descrip. | (X95909) receptor like protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 103 | End | 669 |
| GI | none | Score | 213 |
| Exons | 103..297, 115..279, 297..428, 301..429, 445..669 | | |

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|---|---|---|---|
| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 103 | End | 699 |
| GI | none | Score | 178 |
| Exons | 103..282, 159..281, 301..429, 312..440, 466..699, 466..651, 468..686 | | |

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| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 118 | End | 432 |
| GI | none | Score | 143 |
| Exons | 118..270, 312..428, 313..432 | | |

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| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.gs | Method | GENSCAN |
| Start | 120 | End | 789 |
| GI | none | Score | .57 |
| Exons | 120..789 | | |

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|---|---|---|---|
| Seq. No. | 6938 | Seq. ID | OJ990501_30.9919.C4 |
| Gene No. | 14583 | Strand | + |
| Start | 1 | End | 789 |
| Name | OJ990501_30.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 123 | End | 543 |
| GI | none | Score | 187 |
| Exons | 123..284, 127..294, 312..422, 313..423, 439..540, 466..543 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14584 | Strand | + |
| Start | 883 | End | 9889 |
| Name | OJ990501_30.9919.C5.o1.gs | Method | GENSCAN |
| Start | 883 | End | 9889 |
| GI | none | Score | .62 |
| Exons | 883..903, 1113..1247, 3632..3826, 5114..5435, 5457..5559, 5916..5962, 6256..6794, 9092..9889 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o1.np | Method | AAT/NAP |
| Start | 9831 | End | 14571 |
| GI | 4680179 | Score | 5632 |
| Exons | 9831..9876, 10153..11142, 11170..14571 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o2.gs | Method | GENSCAN |
| Start | 10153 | End | 14574 |
| GI | none | Score | .55 |
| Exons | 10153..11082, 11149..11248, 11297..14574 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o9.tw | Method | TBLASTX:Wheat |
| Start | 10314 | End | 10512 |
| GI | none | Score | 189 |
| Exons | 10314..10511, 10324..10512, 10330..10512 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 10564 | End | 10869 |
| GI | none | Score | 237 |
| Exons | 10564..10869 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o7.tw | Method | TBLASTX:Wheat |
| Start | 10564 | End | 10914 |
| GI | none | Score | 312 |

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|---|---|---|---|
| Exons | 10564..10914 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o8.tw | Method | TBLASTX:Wheat |
| Start | 11248 | End | 11601 |
| GI | none | Score | 253 |
| Exons | 11248..11601, 11338..11532 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 11605 | End | 11798 |
| GI | none | Score | 188 |
| Exons | 11605..11796, 11643..11798 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 11733 | End | 12216 |
| GI | none | Score | 535 |
| Exons | 11733..12173, 11734..12216, 11770..12213 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 11770 | End | 12084 |
| GI | none | Score | 198 |
| Exons | 11770..12084 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 11799 | End | 12246 |
| GI | none | Score | 373 |
| Exons | 11799..12041, 11803..12246 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 12157 | End | 12552 |
| GI | none | Score | 57 |
| Exons | 12157..12189, 12157..12189, 12193..12246, 12195..12236, 12301..12552, 12309..12542 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 12301 | End | 12633 |
| GI | none | Score | 303 |

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|---|---|---|---|
| Exons | 12301..12633, 12354..12632 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 12304 | End | 12567 |
| GI | none | Score | 367 |
| Exons | 12304..12567, 12306..12566 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 12568 | End | 12993 |
| GI | none | Score | 598 |
| Exons | 12568..12993, 12570..12986, 12643..12993 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 12574 | End | 12822 |
| GI | none | Score | 207 |
| Exons | 12574..12822 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 12640 | End | 12993 |
| GI | none | Score | 463 |
| Exons | 12640..12993, 12645..12986 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 13021 | End | 13560 |
| GI | none | Score | 617 |
| Exons | 13021..13560, 13203..13538 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 13348 | End | 13608 |
| GI | none | Score | 292 |
| Exons | 13348..13608, 13359..13607 | | |
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 13406 | End | 13698 |
| GI | none | Score | 156 |
| Exons | 13406..13693, 13407..13694, 13407..13694, 13408..13698 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 13567 | End | 14193 |
| GI | none | Score | 709 |
| Exons | 13567..14193, 13623..14072, 14133..14192 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 13746 | End | 14331 |
| GI | none | Score | 225 |
| Exons | 13746..13901, 13747..13908, 13905..14069, 13906..14331, 14026..14310, 14133..14330 | | |

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|---|---|---|---|
| Seq. No. | 6939 | Seq. ID | OJ990501_30.9919.C5 |
| Gene No. | 14585 | Strand | + |
| Start | 9831 | End | 14574 |
| Name | OJ990501_30.9919.C5.o6.tw | Method | TBLASTX:Wheat |
| Start | 14193 | End | 14526 |
| GI | none | Score | 313 |
| Exons | 14193..14474, 14194..14526 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14586 | Strand | + |
| Start | 1 | End | 10875 |
| Name | OJ990501_30.9919.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 9562 |
| GI | 5295955 | Score | 334 |
| Exons | 1..26, 915..984, 1524..1637, 2323..2816, 2957..3071, 4701..5027, 9454..9562 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14586 | Strand | + |
| Start | 1 | End | 10875 |
| Name | OJ990501_30.9919.C6.o1.gs | Method | GENSCAN |
| Start | 150 | End | 2144 |
| GI | none | Score | .46 |
| Exons | 150..184, 896..1052, 1460..1578, 2063..2144 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14586 | Strand | + |
| Start | 1 | End | 10875 |
| Name | OJ990501_30.9919.C6.o3.gs | Method | GENSCAN |
| Start | 7093 | End | 10841 |
| GI | none | Score | .63 |
| Exons | 7093..7102, 8422..9910, 10343..10841 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14586 | Strand | + |
| Start | 1 | End | 10875 |
| Name | OJ990501_30.9919.C6.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 10317 | End | 10785 |
| GI | 2428447 | Score | 835 |
| Exons | 10317..10785 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14586 | Strand | + |
| Start | 1 | End | 10875 |
| Name | OJ990501_30.9919.C6.o3.np | Method | AAT/NAP |
| Start | 10439 | End | 10875 |
| GI | 729930 | Score | 78 |
| Exons | 10439..10875 | | |
| GI Descrip. | NONSEED LECTIN PRECURSOR gi\|309675 (L11745) lectin [Pisum sativum] | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14587 | Strand | - |
| Start | 2299 | End | 5104 |
| Name | OJ990501_30.9919.C6.o2.gs | Method | GENSCAN |
| Start | 2299 | End | 5104 |
| GI | none | Score | .41 |
| Exons | 2299..2373, 2428..2722, 3384..3712, 4919..5104 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14588 | Strand | |
| Start | 9534 | End | 9911 |
| Name | OJ990501_30.9919.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 9534 | End | 9878 |
| GI | none | Score | 140 |
| Exons | 9534..9719, 9708..9878 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14588 | Strand | |
| Start | 9534 | End | 9911 |
| Name | OJ990501_30.9919.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 9570 | End | 9911 |
| GI | none | Score | 112 |
| Exons | 9570..9683, 9587..9682, 9717..9836, 9725..9814, 9813..9911, 9819..9911 | | |

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|---|---|---|---|
| Seq. No. | 6940 | Seq. ID | OJ990501_30.9919.C6 |
| Gene No. | 14588 | Strand | |
| Start | 9534 | End | 9911 |
| Name | OJ990501_30.9919.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 9597 | End | 9875 |
| GI | none | Score | 105 |
| Exons | 9597..9725, 9720..9875 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.gs | Method | GENSCAN |
| Start | 69 | End | 11077 |
| GI | none | Score | .5 |
| Exons | 69..541, 650..1114, 1273..1313, 3109..3220, 3226..3411, 3828..4026, 4264..4504, 4673..6066, 6292..6457, 6557..6697, 7757..7995, 8188..8290, 8342..8624, 8656..8678, 8860..9119, 9324..10315, 10408..11077 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 165 | End | 10957 |
| GI | none | Score | 106 |
| Exons | 165..350, 339..509, 645..824, 648..839, 827..958, 831..959, 990..1199, 1006..1035, 9603..9698, 9951..10124, 10113..10283, 10405..10563, 10406..10585, 10406..10570, 10585..10716, 10589..10717, 10748..10957 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.np | Method | AAT/NAP |
| Start | 195 | End | 1361 |
| GI | 6729489 | Score | 650 |
| Exons | 195..541, 650..1361 | | |
| GI Descrip. | (AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o8.tm | Method | TBLASTX:Maize |
| Start | 201 | End | 10220 |
| GI | none | Score | 107 |
| Exons | 201..314, 218..313, 339..446, 359..451, 359..445, 9975..10088, 9992..10087, 10113..10220, 10120..10215, 10133..10219 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 279 | End | 10678 |
| GI | none | Score | 53 |
| Exons | 279..335, 351..554, 645..809, 728..805, 831..920, 843..914, 10053..10109, 10125..10316, 10405..10563, 10406..10567, 10589..10678 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o6.tw | Method | TBLASTX:Wheat |
| Start | 378 | End | 10633 |
| GI | none | Score | 85 |
| Exons | 378..527, 648..875, 10152..10301, 10406..10633 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 453 | End | 10987 |
| GI | none | Score | 90 |
| Exons | 453..572, 648..809, 687..809, 831..986, 996..1226, 996..1223, 10221..10316, 10405..10566, 10406..10567, 10439..10567, | | |

10589..10717, 10600..10779, 10754..10987, 10760..10933

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o2.np | Method | AAT/NAP |
| Start | 4153 | End | 8545 |
| GI | 6466937 | Score | 2315 |
| Exons | 4153..4844, 4881..8545 | | |
| GI Descrip. | (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 4840 | End | 5691 |
| GI | none | Score | 122 |
| Exons | 4840..4974, 5053..5295, 5386..5466, 5587..5691 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 5680 | End | 6162 |
| GI | none | Score | 366 |
| Exons | 5680..6162, 5784..6158 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o5.ts | Method | TBLASTX:Soybean |
| Start | 5716 | End | 6030 |
| GI | none | Score | 208 |
| Exons | 5716..6030 | | |

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| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 5743 | End | 6216 |
| GI | none | Score | 582 |
| Exons | 5743..6216, 5784..6206 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 6139 | End | 6498 |
| GI | none | Score | 282 |
| Exons | 6139..6498, 6307..6480 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o7.tm | Method | TBLASTX:Maize |
| Start | 6219 | End | 6441 |

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|---|---|---|---|
| GI | none | Score | 80 |
| Exons | 6219..6386, 6249..6425, 6265..6441 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 6265 | End | 6612 |
| GI | none | Score | 302 |
| Exons | 6265..6612 | | |

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| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 6444 | End | 7065 |
| GI | none | Score | 564 |
| Exons | 6444..6932, 6445..6936, 6943..7065 | | |

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| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 6522 | End | 6765 |
| GI | none | Score | 222 |
| Exons | 6522..6671, 6523..6765, 6526..6720 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 6919 | End | 7353 |
| GI | none | Score | 331 |
| Exons | 6919..6942, 6954..7268, 6955..7353, 6991..7353 | | |

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| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 7189 | End | 7825 |
| GI | none | Score | 734 |
| Exons | 7189..7824, 7191..7823, 7366..7824, 7571..7825 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 7213 | End | 7596 |
| GI | none | Score | 309 |
| Exons | 7213..7596, 7326..7592 | | |

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|---|---|---|---|
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o5.tw | Method | TBLASTX:Wheat |
| Start | 7444 | End | 7824 |
| GI | none | Score | 300 |

| | | | |
|---|---|---|---|
| Exons | 7444..7824, 7539..7823 | | |
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 7870 | End | 8441 |
| GI | none | Score | 505 |
| Exons | 7870..8436, 7873..7956, 7953..8177, 8298..8441 | | |
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 7891 | End | 8193 |
| GI | none | Score | 310 |
| Exons | 7891..8193, 7924..8172, 7995..8177 | | |
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o4.np | Method | AAT/NAP |
| Start | 8886 | End | 11391 |
| GI | 6729489 | Score | 619 |
| Exons | 8886..9020, 9054..10315, 10408..11019, 11296..11391 | | |
| GI Descrip. | (AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana] | | |
| Seq. No. | 6941 | Seq. ID | OJ990501_30.9919.C7 |
| Gene No. | 14589 | Strand | + |
| Start | 69 | End | 11391 |
| Name | OJ990501_30.9919.C7.o3.np | Method | AAT/NAP |
| Start | 8907 | End | 10981 |
| GI | 1418331 | Score | 621 |
| Exons | 8907..9879, 9937..10315, 10408..10981 | | |
| GI Descrip. | (X95909) receptor like protein kinase [Arabidopsis thaliana] | | |
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14590 | Strand | + |
| Start | 152 | End | 16334 |
| Name | OJ990501_30.9919.C8.o1.gs | Method | GENSCAN |
| Start | 152 | End | 16173 |
| GI | none | Score | .48 |
| Exons | 152..278, 429..610, 1259..1310, 1509..1663, 2796..2890, 3061..3244, 4442..4744, 4891..5095, 5256..5275, 5314..5440, 5872..6033, 6092..6379, 6646..6906, 7789..7964, 9072..9199, 9807..9874, 9941..10082, 10320..10484, 12036..12093, 12116..12172, 12398..12471, 15633..15835, 16007..16173 | | |
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14590 | Strand | + |
| Start | 152 | End | 16334 |
| Name | OJ990501_30.9919.C8.o4.np | Method | AAT/NAP |
| Start | 10114 | End | 15044 |
| GI | 5668816 | Score | 303 |
| Exons | 10114..10206, 10331..10484, 11097..11191, 11537..11596, 11683..11774, 11854..11989, 12086..12176, 15022..15044 | | |

GI Descrip. (AC007519) F16N3.15 [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14590 | Strand | + |
| Start | 152 | End | 16334 |
| Name | OJ990501_30.9919.C8.o1.gp | Method | AAT/GAP |
| Start | 15761 | End | 16334 |
| GI | 2428744 | Score | 767 |
| Exons | 15761..15835, 16007..16334 | | |

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|---|---|---|---|
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14591 | Strand | - |
| Start | 1 | End | 951 |
| Name | OJ990501_30.9919.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 951 |
| GI | 6069653 | Score | 1001 |
| Exons | 1..709, 744..951 | | |

GI Descrip. (AP000616) hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14592 | Strand | - |
| Start | 1988 | End | 4254 |
| Name | OJ990501_30.9919.C8.o2.np | Method | AAT/NAP |
| Start | 1988 | End | 4254 |
| GI | 4680186 | Score | 183 |
| Exons | 1988..2055, 2637..2868, 4214..4254 | | |

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

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|---|---|---|---|
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14593 | Strand | - |
| Start | 9032 | End | 9316 |
| Name | OJ990501_30.9919.C8.o3.np | Method | AAT/NAP |
| Start | 9032 | End | 9316 |
| GI | 4914442 | Score | 118 |
| Exons | 9032..9316 | | |

GI Descrip. (AL050351) putative protein [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 6942 | Seq. ID | OJ990501_30.9919.C8 |
| Gene No. | 14594 | Strand | - |
| Start | 17709 | End | 17802 |
| Name | OJ990501_30.9919.C8.o2.gs | Method | GENSCAN |
| Start | 17709 | End | 17802 |
| GI | none | Score | .99 |
| Exons | 17709..17802 | | |

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|---|---|---|---|
| Seq. No. | 6943 | Seq. ID | OJ990531_39.9919.C1 |
| Gene No. | 14595 | Strand | + |
| Start | 98 | End | 197 |
| Name | OJ990531_39.9919.C1.o1.gs | Method | GENSCAN |
| Start | 98 | End | 197 |
| GI | none | Score | .98 |
| Exons | 98..197 | | |

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|---|---|---|---|
| Seq. No. | 6944 | Seq. ID | OJ990531_39.9919.C3 |
| Gene No. | 14596 | Strand | + |
| Start | 153 | End | 431 |
| Name | OJ990531_39.9919.C3.o1.gs | Method | GENSCAN |

| | | | |
|---|---|---|---|
| Start | 153 | End | 431 |
| GI | none | Score | .4 |
| Exons | 153..431 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14597 | Strand | + |
| Start | 1 | End | 813 |
| Name | OJ990531_39.9919.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 810 |
| GI | 2499488 | Score | 560 |
| Exons | 1..98, 192..295, 411..576, 685..810 | | |
| GI Descrip. | PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) gi\|483547\|emb\|CAA83682\| (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis] | | |

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|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14597 | Strand | + |
| Start | 1 | End | 813 |
| Name | OJ990531_39.9919.C4.o1.gs | Method | GENSCAN |
| Start | 33 | End | 813 |
| GI | none | Score | .95 |
| Exons | 33..98, 192..295, 411..576, 685..813 | | |

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|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 798 |
| GI | none | Score | 107 |
| Exons | 1..96, 2..97, 2..103, 3..98, 187..294, 191..295, 191..295, 192..296, 405..578, 406..591, 411..578, 680..796, 682..798, 684..797 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 1 | End | 792 |
| GI | none | Score | 91 |
| Exons | 1..90, 2..82, 2..94, 3..98, 191..292, 191..295, 192..296, 406..591, 411..587, 678..791, 682..792 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 191 | End | 550 |
| GI | none | Score | 168 |
| Exons | 191..295, 192..338, 406..549, 414..548, 416..550 | | |

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|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 451 | End | 922 |

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|---|---|---|---|
| GI | none | Score | 201 |
| Exons | 451..591, 456..578, 514..600, 682..786, 682..762, 684..776, 893..922 | | |

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|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 683 | End | 903 |
| GI | none | Score | 149 |
| Exons | 683..796, 684..797, 684..797, 685..798, 834..902, 844..903 | | |

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|---|---|---|---|
| Seq. No. | 6945 | Seq. ID | OJ990531_39.9919.C4 |
| Gene No. | 14598 | Strand | + |
| Start | 929 | End | 1045 |
| Name | OJ990531_39.9919.C4.o1.gp | Method | AAT/GAP |
| Start | 929 | End | 1045 |
| GI | LIB3433-037-P1-K1-D6 | Score | 141 |
| Exons | 929..1045 | | |
| GI Descrip. | '455458/gb\|L28995\|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14599 | Strand | + |
| Start | 3711 | End | 6503 |
| Name | OJ990531_39.9919.C5.o2.np | Method | AAT/NAP |
| Start | 3711 | End | 6503 |
| GI | 3150407 | Score | 205 |
| Exons | 3711..3825, 4916..5195, 6479..6503 | | |
| GI Descrip. | (AC004165) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3980 |
| GI | 6466937 | Score | 1315 |
| Exons | 1..110, 1218..3980 | | |
| GI Descrip. | (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 75 | End | 2533 |
| GI | none | Score | 70 |
| Exons | 75..137, 2052..2390, 2056..2382, 2136..2390, 2399..2533 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.gs | Method | GENSCAN |
| Start | 1191 | End | 4387 |
| GI | none | Score | .65 |
| Exons | 1191..1795, 1889..2070, 2233..2337, 2382..2734, 2888..4387 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 1252 | End | 1445 |
| GI | none | Score | 87 |
| Exons | 1252..1440, 1263..1445 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1446 | End | 1983 |
| GI | none | Score | 178 |
| Exons | 1446..1979, 1458..1976, 1474..1983 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 1449 | End | 1694 |
| GI | none | Score | 81 |
| Exons | 1449..1694, 1534..1668, 1539..1676 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 1602 | End | 2003 |
| GI | none | Score | 90 |
| Exons | 1602..2003, 1602..2003 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 1716 | End | 2069 |
| GI | none | Score | 141 |
| Exons | 1716..2069, 1717..2067 | | |

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| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 1998 | End | 2473 |
| GI | none | Score | 193 |
| Exons | 1998..2402, 1999..2394, 2094..2402, 2393..2473 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 2088 | End | 2381 |
| GI | none | Score | 182 |
| Exons | 2088..2381 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 2180 | End | 2387 |
| GI | none | Score | 183 |
| Exons | 2180..2386, 2184..2387 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o3.np | Method | AAT/NAP |
| Start | 3459 | End | 5820 |
| GI | 5922634 | Score | 131 |
| Exons | 3459..3488, 5722..5820 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 4956 | End | 5111 |
| GI | none | Score | 203 |
| Exons | 4956..5111, 4958..5110 | | |

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|---|---|---|---|
| Seq. No. | 6946 | Seq. ID | OJ990531_39.9919.C5 |
| Gene No. | 14600 | Strand | - |
| Start | 1 | End | 5820 |
| Name | OJ990531_39.9919.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 4956 | End | 5143 |
| GI | none | Score | 189 |
| Exons | 4956..5141, 4958..5143 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14601 | Strand | + |
| Start | 634 | End | 6123 |
| Name | OJ990531_39.9919.C6.o1.gs | Method | GENSCAN |
| Start | 634 | End | 4390 |
| GI | none | Score | .56 |
| Exons | 634..1065, 1865..1919, 2192..2312, 3325..4256, 4317..4390 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14601 | Strand | + |
| Start | 634 | End | 6123 |
| Name | OJ990531_39.9919.C6.o1.np | Method | AAT/NAP |
| Start | 721 | End | 6123 |
| GI | 2262173 | Score | 1276 |
| Exons | 721..880, 3354..4256, 6056..6123 | | |
| GI Descrip. | (AC002329) putative thioredoxin reductase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14601 | Strand | + |
| Start | 634 | End | 6123 |
| Name | OJ990531_39.9919.C6.o1.gp | Method | AAT/GAP |
| Start | 3198 | End | 3771 |

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|---|---|---|---|
| GI | 11446_1.R1084 | Score | 1036 |
| Exons | 3198..3771 | | |
| GI Descrip. | '5830788/emb\|CAB54874.1\| 2.0e-47 (AL117188) thioredoxin reductase (NADPH) 2 [Arabidopsis thaliana]' | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14602 | Strand | + |
| Start | 15593 | End | 17098 |
| Name | OJ990531_39.9919.C6.o5.np | Method | AAT/NAP |
| Start | 15593 | End | 17098 |
| GI | 1091678 | Score | 292 |
| Exons | 15593..16486, 16778..16874, 17061..17098 | | |
| GI Descrip. | activator-like transposable element [Pennisetum glaucum] | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14603 | Strand | - |
| Start | 6353 | End | 11082 |
| Name | OJ990531_39.9919.C6.o2.gp | Method | AAT/GAP |
| Start | 5707 | End | 6451 |
| GI | none | Score | 737 |
| Exons | 5707..5732, 6026..6451 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14603 | Strand | - |
| Start | 6353 | End | 11082 |
| Name | OJ990531_39.9919.C6.o2.gs | Method | GENSCAN |
| Start | 6353 | End | 11082 |
| GI | none | Score | .77 |
| Exons | 6353..6469, 7047..7363, 7432..7508, 8031..8305, 8844..9728, 9898..10018, 10271..10362, 10580..10681, 10948..11082 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14603 | Strand | - |
| Start | 6353 | End | 11082 |
| Name | OJ990531_39.9919.C6.o2.np | Method | AAT/NAP |
| Start | 7370 | End | 9715 |
| GI | 3193321 | Score | 66 |
| Exons | 7370..7419, 9534..9715 | | |
| GI Descrip. | (AF069299) No definition line found [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 3328 | End | 3643 |
| GI | none | Score | 492 |
| Exons | 3328..3639, 3329..3643 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 3359 | End | 6132 |
| GI | none | Score | 420 |
| Exons | 3359..3733, 3361..3639, 3728..4258, 3742..3966, 3875..4252, 4030..4257, 6054..6125, 6055..6132 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 3359 | End | 3661 |
| GI | none | Score | 450 |
| Exons | 3359..3661, 3361..3642 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 3712 | End | 3973 |
| GI | none | Score | 361 |
| Exons | 3712..3966, 3728..3973 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 3742 | End | 6187 |
| GI | none | Score | 754 |
| Exons | 3742..3966, 3743..4258, 3881..4255, 4033..4257, 6053..6133, 6054..6164, 6055..6165, 6149..6187 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o3.ts | Method | TBLASTX:Soybean |
| Start | 4025 | End | 6132 |
| GI | none | Score | 337 |
| Exons | 4025..4258, 4025..4252, 4027..4257, 6054..6128, 6055..6132 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 9333 | End | 9716 |
| GI | none | Score | 71 |
| Exons | 9333..9506, 9516..9716, 9577..9714 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o5.tm | Method | TBLASTX:Maize |
| Start | 10524 | End | 10952 |
| GI | none | Score | 148 |
| Exons | 10524..10823, 10899..10952 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o4.tm | Method | TBLASTX:Maize |
| Start | 15402 | End | 16628 |
| GI | none | Score | 243 |
| Exons | 15402..15650, 15428..15649, 16277..16474, 16279..16470, 16575..16628 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 15702 | End | 16276 |
| GI | none | Score | 146 |
| Exons | 15702..15845, 15705..15812, 15833..16141, 15841..16056, 16091..16276, 16166..16276 | | |

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| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o4.ts | Method | TBLASTX:Soybean |
| Start | 16246 | End | 16459 |
| GI | none | Score | 236 |
| Exons | 16246..16458, 16256..16459 | | |

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|---|---|---|---|
| Seq. No. | 6947 | Seq. ID | OJ990531_39.9919.C6 |
| Gene No. | 14604 | Strand | - |
| Start | 18017 | End | 18181 |
| Name | OJ990531_39.9919.C6.o4.gs | Method | GENSCAN |
| Start | 18017 | End | 18181 |
| GI | none | Score | .74 |
| Exons | 18017..18181 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14605 | Strand | + |
| Start | 922 | End | 4971 |
| Name | OJ990531_39.9919.C7.o1.gs | Method | GENSCAN |
| Start | 922 | End | 4971 |
| GI | none | Score | .62 |
| Exons | 922..1058, 1174..1370, 2155..2248, 4761..4834, 4955..4971 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14606 | Strand | + |
| Start | 12322 | End | 16201 |
| Name | OJ990531_39.9919.C7.o3.gs | Method | GENSCAN |
| Start | 12322 | End | 16201 |
| GI | none | Score | .62 |
| Exons | 12322..12394, 12948..13003, 14895..14991, 15034..15270, 15282..15370, 15791..15855, 16045..16201 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14607 | Strand | + |
| Start | 28522 | End | 30607 |
| Name | OJ990531_39.9919.C7.o3.np | Method | AAT/NAP |
| Start | 28522 | End | 30607 |
| GI | 6554473 | Score | 536 |
| Exons | 28522..28728, 28856..29085, 29901..29976, 30065..30308, 30516..30607 | | |
| GI Descrip. | (AC012394) putative RNA-binding protein [Arabidopsis thaliana] gi\|6642681\|gb\|AAF20261.1\|AC015450_22 (AC015450) putative RNA-binding protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14608 | Strand | - |

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|---|---|---|---|
| Start | 5034 | End | 5337 |
| Name | OJ990531_39.9919.C7.o1.gp | Method | AAT/GAP |
| Start | 5034 | End | 5337 |
| GI | uC-osflcyp127g10a1 | Score | 561 |
| Exons | 5034..5337 | | |
| GI Descrip. | '4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14609 | Strand | - |
| Start | 5673 | End | 9219 |
| Name | OJ990531_39.9919.C7.o2.gp | Method | AAT/GAP |
| Start | 5673 | End | 6189 |
| GI | 2800496 | Score | 843 |
| Exons | 5673..6189 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14609 | Strand | - |
| Start | 5673 | End | 9219 |
| Name | OJ990531_39.9919.C7.o2.gs | Method | GENSCAN |
| Start | 6027 | End | 9219 |
| GI | none | Score | .48 |
| Exons | 6027..7141, 7434..7488, 7894..8222, 9027..9219 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14609 | Strand | - |
| Start | 5673 | End | 9219 |
| Name | OJ990531_39.9919.C7.o1.np | Method | AAT/NAP |
| Start | 6083 | End | 7708 |
| GI | 2827558 | Score | 566 |
| Exons | 6083..6956, 7626..7708 | | |
| GI Descrip. | (AL021635) putative DNA binding protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14609 | Strand | - |
| Start | 5673 | End | 9219 |
| Name | OJ990531_39.9919.C7.o3.gp | Method | AAT/GAP |
| Start | 7410 | End | 7663 |
| GI | 1631453 | Score | 464 |
| Exons | 7410..7663 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14610 | Strand | - |
| Start | 21039 | End | 25660 |
| Name | OJ990531_39.9919.C7.o2.np | Method | AAT/NAP |
| Start | 21039 | End | 25458 |
| GI | 1346301 | Score | 2301 |
| Exons | 21039..21278, 21507..21853, 22467..22648, 24716..25458 | | |
| GI Descrip. | 3-HYDROXY-3-METHYLGLUTARYL-COENZYME A REDUCTASE (HMG-COA REDUCTASE) gi\|1071805\|pir\|\|S46314 hydroxymethylglutaryl CoA reductase - rice gi\|455459 (L28995) 3-hydroxy-3-methylglutaryl coenzyme A reductase [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14610 | Strand | - |
| Start | 21039 | End | 25660 |
| Name | OJ990531_39.9919.C7.o4.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 25248 | End | 25660 |
| GI | 2428129 | Score | 721 |
| Exons | 25248..25660 | | |
| GI Descrip. | 455458/gb\|L28995\|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 6465 | End | 6726 |
| GI | none | Score | 85 |
| Exons | 6465..6533, 6519..6713, 6526..6717, 6673..6726 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 6466 | End | 6717 |
| GI | none | Score | 46 |
| Exons | 6466..6522, 6495..6713, 6543..6713, 6583..6717 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o4.tc | Method | TBLASTX:Cress |
| Start | 6516 | End | 6713 |
| GI | none | Score | 191 |
| Exons | 6516..6713 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 6519 | End | 6714 |
| GI | none | Score | 73 |
| Exons | 6519..6713, 6661..6714 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 21037 | End | 25062 |
| GI | none | Score | 181 |
| Exons | 21037..21279, 21049..21279, 21054..21281, 21482..21607, 21498..21854, 21499..21606, 21504..21857, 21505..21858, 22436..22504, 22479..22520, 22492..22650, 22517..22651, 24715..25062, 24800..25051, 24916..25059 | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 21049 | End | 25062 |
| GI | none | Score | 185 |
| Exons | 21049..21279, 21054..21281, 21504..21857, 21504..21857, | | |

21505..21858, 22406..22651, 22436..22648, 22465..22650,
24715..25062, 24716..25051, 24907..25062

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 21054 | End | 25062 |
| GI | none | Score | 154 |

Exons 21054..21281, 21058..21279, 21504..21854, 21504..21857,
21505..21858, 22406..22651, 22436..22606, 22465..22650,
24715..25047, 24715..25062, 24716..25051

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 28536 | End | 28957 |
| GI | none | Score | 74 |

Exons 28536..28634, 28536..28616, 28558..28728, 28677..28733,
28843..28887, 28856..28891, 28871..28957, 28888..28956

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o2.tc | Method | TBLASTX:Cress |
| Start | 28545 | End | 28984 |
| GI | none | Score | 241 |

Exons 28545..28616, 28555..28734, 28677..28754, 28855..28974,
28856..28984

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 28572 | End | 28954 |
| GI | none | Score | 232 |

Exons 28572..28619, 28573..28734, 28677..28754, 28855..28953,
28856..28954

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 29609 | End | 31931 |
| GI | none | Score | 83 |

Exons 29609..29656, 29611..29661, 29928..29972, 29930..29977,
30050..30301, 30053..30304, 30511..30639, 30515..30634,
30515..30712, 30516..30641, 30517..30642, 30714..30737,
30716..30760, 30735..30809, 30738..30818, 30739..30819,
30739..30819, 30740..30823, 31554..31589, 31556..31591,
31556..31591, 31589..31615, 31590..31619, 31603..31689,
31613..31645, 31614..31730, 31712..31771, 31745..31792,
31747..31791, 31758..31820, 31771..31818, 31917..31931

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |

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|---|---|---|---|
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o5.gp | Method | AAT/GAP |
| Start | 31879 | End | 32344 |
| GI | 55842_1.R1084 | Score | 896 |
| Exons | 31879..32344 | | |
| GI Descrip. | '455458/gb\|L28995\|RIC3H3M 9.0e-58 Oryza sativa 3-hydroxy-3-methylglutaryl coenzyme A reductase gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o5.gs | Method | GENSCAN |
| Start | 31942 | End | 35380 |
| GI | none | Score | .71 |
| Exons | 31942..32073, 34404..34510, 34797..34882, 34972..35046, 35163..35380 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o6.gp | Method | AAT/GAP |
| Start | 33128 | End | 33881 |
| GI | LIB3433-031-P1-K1-C1 | Score | 612 |
| Exons | 33128..33275, 33475..33562, 33646..33743, 33856..33881 | | |
| GI Descrip. | '5630087/gb\|AAD45832.1\|AC004876_5 6.0e-10 (AC004876) similar to predicted proteins AAB54240 (PID:g2088822) and S67138 (PID:g2132925) [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o4.np | Method | AAT/NAP |
| Start | 33177 | End | 35308 |
| GI | 6572073 | Score | 739 |
| Exons | 33177..33275, 33475..33562, 33646..33743, 33856..33968, 34047..34218, 34404..34510, 34797..34882, 34972..35046, 35163..35308 | | |
| GI Descrip. | (AL133452) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o3.tc | Method | TBLASTX:Cress |
| Start | 33201 | End | 35045 |
| GI | none | Score | 89 |
| Exons | 33201..33278, 33472..33561, 33476..33559, 33645..33737, 33648..33752, 33856..33936, 33860..33937, 34063..34218, 34094..34216, 34401..34511, 34405..34512, 34798..34899, 34965..35045 | | |

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| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 33687 | End | 34512 |
| GI | none | Score | 105 |

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|---|---|---|---|
| Exons | 33687..33752, 33856..33954, 33860..33943, 34054..34218, 34060..34218, 34062..34220, 34094..34219, 34401..34511, 34402..34512 | | |
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 33856 | End | 34218 |
| GI | none | Score | 94 |
| Exons | 33856..33945, 33860..33940, 34060..34218, 34094..34216 | | |
| Seq. No. | 6948 | Seq. ID | OJ990531_39.9919.C7 |
| Gene No. | 14611 | Strand | - |
| Start | 31942 | End | 35380 |
| Name | OJ990531_39.9919.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 34798 | End | 35034 |
| GI | none | Score | 75 |
| Exons | 34798..34899, 34798..34899, 34835..34969, 34962..35033, 34969..35034 | | |
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4262 |
| GI | 2499488 | Score | 1443 |
| Exons | 1..100, 204..248, 339..449, 517..590, 696..789, 876..956, 1473..1526, 1769..1852, 1973..2040, 2129..2317, 2922..3034, 3254..3426, 4173..4262 | | |
| GI Descrip. | PYROPHOSPHATE--FRUCTOSE 6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP) (6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT 6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) gi\|483547\|emb\|CAA83682\| (Z32849) pyrophosphate-dependent phosphofructokinase alpha subunit [Ricinus communis] | | |
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 44 | End | 4263 |
| GI | none | Score | 65 |
| Exons | 44..103, 48..104, 201..251, 217..255, 330..449, 340..453, 343..450, 344..451, 517..591, 681..779, 691..789, 692..790, 873..959, 874..969, 1473..1529, 1766..1855, 1767..1853, 1970..2041, 2113..2292, 2127..2318, 2128..2319, 2130..2333, 2914..3036, 2915..3037, 2920..3063, 3238..3429, 3254..3427, 4173..4262, 4174..4263 | | |
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.gs | Method | GENSCAN |
| Start | 44 | End | 9752 |
| GI | none | Score | .65 |
| Exons | 44..100, 204..248, 339..449, 517..590, 696..789, 1473..1526, 1769..1852, 1973..2040, 2129..2317, 2922..3034, 3254..3371, | | |

3875..4553, 6137..6229, 6398..6448, 6593..6659, 6758..6956,
7049..7100, 7162..7281, 8506..8598, 9023..9100, 9169..9214,
9306..9358, 9529..9568, 9667..9752

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 44 | End | 4263 |
| GI | none | Score | 77 |

Exons 44..103, 48..101, 201..251, 203..274, 204..239, 208..252,
330..449, 337..450, 339..455, 340..450, 341..451, 435..575,
514..591, 517..591, 691..789, 692..790, 705..791, 713..790,
852..968, 873..959, 1473..1529, 1474..1533, 1758..1853,
1758..1853, 1759..1857, 1766..1855, 1970..2041, 1971..2042,
1972..2046, 2110..2316, 2127..2318, 2127..2318, 2128..2319,
2898..3035, 2914..3036, 2915..3037, 2921..3037, 3226..3429,
3238..3429, 3273..3449, 4173..4262, 4174..4263

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| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.gp | Method | AAT/GAP |
| Start | 849 | End | 2223 |
| GI | LIB3434-047-P1-K1-G6 | Score | 635 |

Exons 849..956, 1473..1526, 1769..1852, 1973..2040, 2129..2223

GI Descrip. '2499488/sp|Q41140|PFPA_RICCO 8.0e-60 PYROPHOSPHATE--FRUCTOSE
6-PHOSPHATE 1-PHOSPHOTRANSFERASE ALPHA SUBUNIT (PFP)
(6-PHOSPHOFRUCTOKINASE (PYROPHOSPHATE)) (PYROPHOSPHATE-DEPENDENT
6-PHOSPHOFRUCTOSE-1-KINASE) (PPI-PFK) >gi_483547_emb_CAA83682_
(Z32849) pyrophosphate-dependent phosphofructokinase alpha
subunit [Ricinus communis]'

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| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 876 | End | 3040 |
| GI | none | Score | 38 |

Exons 876..938, 930..959, 1766..1855, 1970..2053, 2127..2318,
2920..3036, 3017..3040

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 2218 | End | 3366 |
| GI | none | Score | 158 |

Exons 2218..2319, 2218..2307, 2220..2318, 2895..3035, 2914..3036,
2920..3036, 2921..3037, 2927..3037, 3238..3366, 3254..3364

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o2.gp | Method | AAT/GAP |
| Start | 2229 | End | 4255 |
| GI | 65692_1.R1084 | Score | 785 |

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|---|---|---|---|
| Exons | 2229..2315, 2919..3034, 3254..3426, 4173..4255 | | |
| GI Descrip. | '3790102 3.0e-51 (AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]' | | |

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| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 5947 | End | 6707 |
| GI | none | Score | 159 |
| Exons | 5947..6060, 5950..6075, 6134..6232, 6135..6230, 6160..6231, 6395..6448, 6396..6446, 6590..6685, 6593..6682, 6594..6707 | | |

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o2.np | Method | AAT/NAP |
| Start | 5965 | End | 9801 |
| GI | 6642669 | Score | 576 |
| Exons | 5965..6057, 6137..6229, 6398..6448, 6593..6909, 7149..7266, 8486..8598, 9169..9214, 9262..9358, 9529..9568, 9667..9801 | | |
| GI Descrip. | (AC015450) putative DNA-binding protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 5971 | End | 6224 |
| GI | none | Score | 86 |
| Exons | 5971..6075, 5972..6058, 6134..6223, 6134..6223, 6135..6224 | | |

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 7156 | End | 9788 |
| GI | none | Score | 97 |
| Exons | 7156..7224, 7157..7279, 8497..8601, 8503..8598, 9163..9213, 9170..9214, 9305..9361, 9309..9365, 9520..9570, 9664..9732, 9666..9788 | | |

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|---|---|---|---|
| Seq. No. | 6949 | Seq. ID | OJ990531_39.9919.C9 |
| Gene No. | 14612 | Strand | - |
| Start | 1 | End | 9801 |
| Name | OJ990531_39.9919.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 9163 | End | 9794 |
| GI | none | Score | 52 |
| Exons | 9163..9216, 9170..9214, 9305..9361, 9306..9359, 9520..9570, 9666..9794 | | |

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|---|---|---|---|
| Seq. No. | 6950 | Seq. ID | OJ990531_39.9919.C10 |
| Gene No. | 14613 | Strand | + |
| Start | 102 | End | 770 |
| Name | OJ990531_39.9919.C10.o1.gs | Method | GENSCAN |
| Start | 102 | End | 770 |
| GI | none | Score | .68 |
| Exons | 102..210, 678..770 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14614 | Strand | + |
| Start | 594 | End | 9868 |
| Name | OJ990531_39.9919.C11.o1.gs | Method | GENSCAN |
| Start | 594 | End | 9700 |
| GI | none | Score | .56 |
| Exons | 594..974, 1332..1393, 1665..1779, 1914..2037, 2222..2302, 2740..3081, 3180..3346, 3428..3660, 3785..4047, 4066..4258, 4722..6174, 7827..8018, 8121..8694, 8788..8952, 9390..9489, 9567..9700 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14614 | Strand | + |
| Start | 594 | End | 9868 |
| Name | OJ990531_39.9919.C11.o1.gp | Method | AAT/GAP |
| Start | 6047 | End | 6429 |
| GI | none | Score | 736 |
| Exons | 6047..6429 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14614 | Strand | + |
| Start | 594 | End | 9868 |
| Name | OJ990531_39.9919.C11.o2.gp | Method | AAT/GAP |
| Start | 7729 | End | 8269 |
| GI | 71940_1.R1084 | Score | 830 |
| Exons | 7729..8018, 8121..8269 | | |
| GI Descrip. | '4512664/gb\|AAD21718.1\| 4.0e-32 (AC006931) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4544471_gb_AAD22378.1_AC006580_10 (AC006580) putative ribose phosphate pyrophosphokinase [Arabidopsis thaliana] >gi_4902472_emb_CAB43553.1_ (AJ012407) phosphoribosyl diphosphate synthase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14614 | Strand | + |
| Start | 594 | End | 9868 |
| Name | OJ990531_39.9919.C11.o1.np | Method | AAT/NAP |
| Start | 7903 | End | 9697 |
| GI | 4902879 | Score | 1180 |
| Exons | 7903..8018, 8121..8532, 8626..8694, 8824..8952, 9390..9489, 9570..9697 | | |
| GI Descrip. | (AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea] | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14614 | Strand | + |
| Start | 594 | End | 9868 |
| Name | OJ990531_39.9919.C11.o3.gp | Method | AAT/GAP |
| Start | 8341 | End | 9868 |
| GI | 38739_1.R1084 | Score | 1260 |
| Exons | 8341..8532, 8626..8694, 8824..8952, 9390..9490, 9567..9868 | | |
| GI Descrip. | '4902879/emb\|CAB43602.1\| 1.0e-24 (AJ006943) phosphoribosyl pyrophosphate synthase isozyme 4 [Spinacia oleracea]' | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14615 | Strand | + |

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|---|---|---|---|
| Start | 13415 | End | 25235 |
| Name | OJ990531_39.9919.C11.o2.np | Method | AAT/NAP |
| Start | 13415 | End | 25235 |
| GI | 6815109 | Score | 81 |
| Exons | 13415..13532, 16427..16671, 18077..18401, 25134..25235 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14615 | Strand | + |
| Start | 13415 | End | 25235 |
| Name | OJ990531_39.9919.C11.o4.gs | Method | GENSCAN |
| Start | 17969 | End | 22689 |
| GI | none | Score | .62 |
| Exons | 17969..18147, 18187..18400, 18910..18998, 20264..20390, 22515..22595, 22654..22689 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14616 | Strand | - |
| Start | 13433 | End | 17037 |
| Name | OJ990531_39.9919.C11.o3.gs | Method | GENSCAN |
| Start | 13433 | End | 17037 |
| GI | none | Score | .5 |
| Exons | 13433..13606, 15356..15399, 16716..16959, 17020..17037 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o3.tc | Method | TBLASTX:Cress |
| Start | 793 | End | 1107 |
| GI | none | Score | 143 |
| Exons | 793..936, 822..935, 987..1106, 988..1107 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 1999 | End | 3293 |
| GI | none | Score | 64 |
| Exons | 1999..2040, 2165..2308, 2193..2303, 2219..2305, 2724..3059, 2728..2982, 2739..3068, 2740..3084, 3019..3081, 3171..3293, 3179..3292 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 3195 | End | 3788 |
| GI | none | Score | 115 |
| Exons | 3195..3335, 3269..3346, 3428..3787, 3429..3788 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 3901 | End | 4972 |
| GI | none | Score | 128 |
| Exons | 3901..4200, 3936..4055, 3937..4215, 4162..4260, 4206..4259, | | |

4712..4972, 4719..4970, 4720..4971

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 4089 | End | 4956 |
| GI | none | Score | 128 |
| Exons | 4089..4184, 4090..4203, 4091..4195, 4201..4260, 4201..4254, 4712..4954, 4720..4956 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o5.tc | Method | TBLASTX:Cress |
| Start | 4708 | End | 4942 |
| GI | none | Score | 201 |
| Exons | 4708..4932, 4709..4942 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 4712 | End | 5073 |
| GI | none | Score | 169 |
| Exons | 4712..4894, 4726..4890, 4894..5073, 4904..5068 | | |

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| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 5099 | End | 5415 |
| GI | none | Score | 416 |
| Exons | 5099..5401, 5100..5414, 5101..5415, 5119..5415 | | |

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| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 5416 | End | 5701 |
| GI | none | Score | 73 |
| Exons | 5416..5550, 5418..5543, 5483..5551, 5503..5700, 5554..5700, 5555..5701 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o2.tc | Method | TBLASTX:Cress |
| Start | 5612 | End | 6139 |
| GI | none | Score | 88 |
| Exons | 5612..5737, 5746..6135, 5747..6139 | | |

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| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 5830 | End | 6420 |

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|---|---|---|---|
| GI | none | Score | 475 |
| Exons | 5830..6183, 5831..6187, 6331..6357, 6376..6420 | | |

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| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 7798 | End | 9875 |
| GI | none | Score | 39 |
| Exons | 7798..7824, 7799..7825, 7882..8019, 7884..8015, 7927..8019, 8074..8187, 8086..8535, 8121..8486, 8470..8532, 8625..8693, 8626..8697, 8820..8948, 8824..8952, 8827..8955, 9387..9488, 9387..9473, 9388..9489, 9539..9700, 9565..9699, 9567..9701, 9567..9719, 9568..9702, 9687..9791, 9688..9795, 9698..9793, 9791..9874, 9810..9875 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 7888 | End | 8867 |
| GI | none | Score | 103 |
| Exons | 7888..8019, 7927..8019, 8119..8535, 8127..8540, 8626..8697, 8631..8696, 8823..8867, 8824..8865 | | |

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| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 7918 | End | 8697 |
| GI | none | Score | 129 |
| Exons | 7918..8019, 7930..8019, 8068..8487, 8115..8486, 8623..8697, 8634..8696 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o4.tc | Method | TBLASTX:Cress |
| Start | 9417 | End | 9703 |
| GI | none | Score | 94 |
| Exons | 9417..9491, 9550..9699, 9568..9702, 9569..9703 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o4.ts | Method | TBLASTX:Soybean |
| Start | 9426 | End | 9720 |
| GI | none | Score | 85 |
| Exons | 9426..9479, 9583..9720, 9584..9700 | | |

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|---|---|---|---|
| Seq. No. | 6951 | Seq. ID | OJ990531_39.9919.C11 |
| Gene No. | 14617 | Strand | - |
| Start | 24002 | End | 24194 |
| Name | OJ990531_39.9919.C11.o5.gs | Method | GENSCAN |
| Start | 24002 | End | 24194 |
| GI | none | Score | .48 |
| Exons | 24002..24021, 24132..24194 | | |

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|---|---|---|---|
| Seq. No. | 6952 | Seq. ID | OJ990531_39.9919.C12 |
| Gene No. | 14618 | Strand | - |
| Start | 1 | End | 638 |
| Name | OJ990531_39.9919.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 638 |
| GI | 2498930 | Score | 738 |
| Exons | 1..394, 562..638 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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|---|---|---|---|
| Seq. No. | 6953 | Seq. ID | OJ990421_32.9919.C2 |
| Gene No. | 14619 | Strand | + |
| Start | 395 | End | 501 |
| Name | OJ990421_32.9919.C2.o1.gs | Method | GENSCAN |
| Start | 395 | End | 501 |
| GI | none | Score | .87 |
| Exons | 395..501 | | |

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|---|---|---|---|
| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14620 | Strand | + |
| Start | 611 | End | 2020 |
| Name | OJ990421_32.9919.C3.o1.gp | Method | AAT/GAP |
| Start | 611 | End | 992 |
| GI | uC-osf1cyp033a04b1 | Score | 659 |
| Exons | 611..992 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14620 | Strand | + |
| Start | 611 | End | 2020 |
| Name | OJ990421_32.9919.C3.o1.gs | Method | GENSCAN |
| Start | 735 | End | 2020 |
| GI | none | Score | .4 |
| Exons | 735..796, 1876..2020 | | |

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| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14621 | Strand | + |
| Start | 10554 | End | 11756 |
| Name | OJ990421_32.9919.C3.o4.gs | Method | GENSCAN |
| Start | 10554 | End | 11756 |
| GI | none | Score | .66 |
| Exons | 10554..10802, 11164..11217, 11566..11756 | | |

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| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14622 | Strand | - |
| Start | 544 | End | 2488 |
| Name | OJ990421_32.9919.C3.o1.np | Method | AAT/NAP |
| Start | 544 | End | 2488 |
| GI | 4680186 | Score | 238 |
| Exons | 544..760, 2452..2488 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14623 | Strand | - |
| Start | 2513 | End | 3917 |

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|---|---|---|---|
| Name | OJ990421_32.9919.C3.o2.gs | Method | GENSCAN |
| Start | 2513 | End | 3917 |
| GI | none | Score | .55 |
| Exons | 2513..2721, 3167..3917 | | |

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| Seq. No. | 6954 | Seq. ID | OJ990421_32.9919.C3 |
| Gene No. | 14624 | Strand | - |
| Start | 4969 | End | 7064 |
| Name | OJ990421_32.9919.C3.o3.gs | Method | GENSCAN |
| Start | 4969 | End | 7064 |
| GI | none | Score | .47 |
| Exons | 4969..5005, 5592..5655, 5679..5729, 5874..6054, 7017..7064 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14625 | Strand | + |
| Start | 2671 | End | 3567 |
| Name | OJ990421_32.9919.C4.o1.np | Method | AAT/NAP |
| Start | 2671 | End | 3567 |
| GI | 5042448 | Score | 1320 |
| Exons | 2671..3232, 3272..3567 | | |
| GI Descrip. | (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14626 | Strand | + |
| Start | 3821 | End | 8121 |
| Name | OJ990421_32.9919.C4.o2.np | Method | AAT/NAP |
| Start | 3821 | End | 8121 |
| GI | 4680179 | Score | 7236 |
| Exons | 3821..8121 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14627 | Strand | + |
| Start | 10249 | End | 19653 |
| Name | OJ990421_32.9919.C4.o1.gp | Method | AAT/GAP |
| Start | 10249 | End | 13287 |
| GI | 52923_1.R1084 | Score | 1017 |
| Exons | 10249..10668, 13043..13124, 13215..13287 | | |
| GI Descrip. | '5823554/gb\|AAD53184.1\|AF180920_1 4.0e-10 (AF180920) cyclin ania-6a [Homo sapiens]' | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14627 | Strand | + |
| Start | 10249 | End | 19653 |
| Name | OJ990421_32.9919.C4.o3.np | Method | AAT/NAP |
| Start | 13056 | End | 16253 |
| GI | 2739368 | Score | 832 |
| Exons | 13056..13126, 13217..13355, 13541..13707, 15252..15533, 15597..15961, 16177..16253 | | |
| GI Descrip. | (AC002505) putative cyclin [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14627 | Strand | + |
| Start | 10249 | End | 19653 |
| Name | OJ990421_32.9919.C4.o2.gp | Method | AAT/GAP |
| Start | 15476 | End | 15889 |

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|---|---|---|---|
| GI | 286346 | Score | 595 |
| Exons | 15476..15513, 15592..15889 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14627 | Strand | + |
| Start | 10249 | End | 19653 |
| Name | OJ990421_32.9919.C4.o3.gp | Method | AAT/GAP |
| Start | 15829 | End | 16497 |
| GI | 55290_1.R1084 | Score | 735 |
| Exons | 15829..15967, 16052..16093, 16171..16497 | | |
| GI Descrip. | '2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14627 | Strand | + |
| Start | 10249 | End | 19653 |
| Name | OJ990421_32.9919.C4.o4.np | Method | AAT/NAP |
| Start | 16167 | End | 19653 |
| GI | 4680180 | Score | 1096 |
| Exons | 16167..16197, 18504..19653 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14628 | Strand | + |
| Start | 21316 | End | 26354 |
| Name | OJ990421_32.9919.C4.o9.np | Method | AAT/NAP |
| Start | 21316 | End | 26354 |
| GI | 4680186 | Score | 384 |
| Exons | 21316..21336, 25262..25318, 26154..26354 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14629 | Strand | - |
| Start | 139 | End | 930 |
| Name | OJ990421_32.9919.C4.o1.gs | Method | GENSCAN |
| Start | 139 | End | 930 |
| GI | none | Score | .91 |
| Exons | 139..476, 870..930 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o8.tw | Method | TBLASTX:Wheat |
| Start | 4087 | End | 4447 |
| GI | none | Score | 291 |
| Exons | 4087..4188, 4088..4447, 4213..4437 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o9.tm | Method | TBLASTX:Maize |
| Start | 4328 | End | 4660 |
| GI | none | Score | 202 |
| Exons | 4328..4660, 4328..4612, 4345..4515 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |

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|---|---|---|---|
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o9.tw | Method | TBLASTX:Wheat |
| Start | 4967 | End | 5383 |
| GI | none | Score | 136 |
| Exons | 4967..5137, 5017..5115, 5201..5383, 5227..5382 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o3.tw | Method | TBLASTX:Wheat |
| Start | 5546 | End | 6028 |
| GI | none | Score | 550 |
| Exons | 5546..6028, 5650..5985, 5657..6019 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o6.tm | Method | TBLASTX:Maize |
| Start | 5558 | End | 5847 |
| GI | none | Score | 322 |
| Exons | 5558..5845, 5656..5847 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 5915 | End | 6415 |
| GI | none | Score | 161 |
| Exons | 5915..6094, 6080..6415, 6166..6297 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 5969 | End | 6364 |
| GI | none | Score | 57 |
| Exons | 5969..6001, 5969..6013, 6005..6364, 6005..6085, 6109..6363 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o5.tw | Method | TBLASTX:Wheat |
| Start | 6077 | End | 6379 |
| GI | none | Score | 400 |
| Exons | 6077..6379, 6078..6179, 6109..6378 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 6380 | End | 6889 |
| GI | none | Score | 629 |
| Exons | 6380..6889, 6412..6723, 6458..6805 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |

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|---|---|---|---|
| Name | OJ990421_32.9919.C4.o4.ts | Method | TBLASTX:Soybean |
| Start | 6386 | End | 6631 |
| GI | none | Score | 202 |
| Exons | 6386..6631 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 6452 | End | 6817 |
| GI | none | Score | 488 |
| Exons | 6452..6805, 6454..6720, 6506..6817 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o4.tw | Method | TBLASTX:Wheat |
| Start | 6893 | End | 7371 |
| GI | none | Score | 297 |
| Exons | 6893..7195, 6926..7186, 7117..7200, 7197..7370, 7198..7371 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 7186 | End | 7419 |
| GI | none | Score | 274 |
| Exons | 7186..7419, 7197..7418 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o5.tm | Method | TBLASTX:Maize |
| Start | 7218 | End | 7509 |
| GI | none | Score | 387 |
| Exons | 7218..7505, 7219..7509 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 7378 | End | 19287 |
| GI | none | Score | 716 |
| Exons | 7378..8004, 7380..8003, 18946..19125, 19159..19287 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 7558 | End | 8126 |
| GI | none | Score | 223 |
| Exons | 7558..7719, 7566..7712, 7717..8121, 7719..8126 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o2.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 10502 | End | 16076 |
| GI | none | Score | 244 |
| Exons | 10502..10669, 10507..10668, 13018..13110, 13044..13094, 13044..13124, 13045..13110, 13212..13361, 13214..13342, 13514..13669, 13514..13666, 13667..13705, 13667..13705, 15220..15513, 15244..15513, 15249..15518, 15257..15514, 15589..15795, 15589..15756, 15591..15776, 15791..15907, 15812..15904, 15841..15906, 15922..15969, 16044..16076 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 10516 | End | 13361 |
| GI | none | Score | 220 |
| Exons | 10516..10668, 10517..10669, 13049..13099, 13050..13094, 13214..13342, 13218..13361 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 10516 | End | 13237 |
| GI | none | Score | 244 |
| Exons | 10516..10680, 10517..10678, 13040..13099, 13041..13094, 13193..13237 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o5.ts | Method | TBLASTX:Soybean |
| Start | 13562 | End | 15357 |
| GI | none | Score | 176 |
| Exons | 13562..13669, 13562..13663, 13667..13699, 15241..15312, 15249..15320, 15313..15357 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o6.tw | Method | TBLASTX:Wheat |
| Start | 18530 | End | 18912 |
| GI | none | Score | 270 |
| Exons | 18530..18817, 18538..18816, 18807..18911, 18808..18912 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o7.tm | Method | TBLASTX:Maize |
| Start | 18530 | End | 18817 |
| GI | none | Score | 315 |
| Exons | 18530..18817, 18547..18816 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o10.tw | Method | TBLASTX:Wheat |
| Start | 19288 | End | 19644 |

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|---|---|---|---|
| GI | none | Score | 128 |
| Exons | 19288..19488, 19516..19644, 19518..19643 | | |

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|---|---|---|---|
| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o10.tm | Method | TBLASTX:Maize |
| Start | 19342 | End | 19608 |
| GI | none | Score | 142 |
| Exons | 19342..19524, 19525..19608 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o5.np | Method | AAT/NAP |
| Start | 21181 | End | 22508 |
| GI | 6721561 | Score | 1153 |
| Exons | 21181..21946, 22029..22087, 22157..22354, 22440..22508 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o6.np | Method | AAT/NAP |
| Start | 21536 | End | 23346 |
| GI | 6721558 | Score | 272 |
| Exons | 21536..21769, 22421..22545, 23247..23346 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o7.np | Method | AAT/NAP |
| Start | 22569 | End | 25891 |
| GI | 6721512 | Score | 81 |
| Exons | 22569..22619, 24054..24157, 24185..24276, 25798..25891 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o8.np | Method | AAT/NAP |
| Start | 24825 | End | 26556 |
| GI | 4726116 | Score | 280 |
| Exons | 24825..25214, 26536..26556 | | |
| GI Descrip. | (AC006436) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o7.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 24831 | End | 25209 |
| GI | none | Score | 103 |
| Exons | 24831..25208, 24864..25208, 24937..25209 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o8.tm | Method | TBLASTX:Maize |
| Start | 24939 | End | 25205 |
| GI | none | Score | 59 |
| Exons | 24939..25004, 24942..25007, 25044..25205, 25045..25197 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o4.gs | Method | GENSCAN |
| Start | 25430 | End | 26799 |
| GI | none | Score | .48 |
| Exons | 25430..25467, 26734..26799 | | |

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| Seq. No. | 6955 | Seq. ID | OJ990421_32.9919.C4 |
| Gene No. | 14630 | Strand | - |
| Start | 21181 | End | 26799 |
| Name | OJ990421_32.9919.C4.o4.gp | Method | AAT/GAP |
| Start | 25907 | End | 26287 |
| GI | uC-osflcyp033a04b1 | Score | 646 |
| Exons | 25907..26287 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 6956 | Seq. ID | OJ990421_32.9919.C5 |
| Gene No. | 14631 | Strand | + |
| Start | 1 | End | 4469 |
| Name | OJ990421_32.9919.C5.o2.np | Method | AAT/NAP |
| Start | 1 | End | 4469 |
| GI | 5091513 | Score | 1571 |
| Exons | 1..33, 2319..3115, 3859..4469 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6956 | Seq. ID | OJ990421_32.9919.C5 |
| Gene No. | 14631 | Strand | + |
| Start | 1 | End | 4469 |
| Name | OJ990421_32.9919.C5.o1.gp | Method | AAT/GAP |
| Start | 656 | End | 1591 |
| GI | 72524_1.R1084 | Score | 412 |
| Exons | 656..688, 1276..1591 | | |
| GI Descrip. | '5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence' | | |

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| Seq. No. | 6956 | Seq. ID | OJ990421_32.9919.C5 |
| Gene No. | 14632 | Strand | - |
| Start | 245 | End | 752 |
| Name | OJ990421_32.9919.C5.o1.np | Method | AAT/NAP |
| Start | 245 | End | 704 |
| GI | 2213632 | Score | 468 |
| Exons | 245..704 | | |
| GI Descrip. | (AC000103) F21J9.24 [Arabidopsis thaliana] | | |

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| Seq. No. | 6956 | Seq. ID | OJ990421_32.9919.C5 |
| Gene No. | 14632 | Strand | - |
| Start | 245 | End | 752 |
| Name | OJ990421_32.9919.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 246 | End | 591 |
| GI | none | Score | 218 |
| Exons | 246..590, 268..591 | | |

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| Seq. No. | 6956 | Seq. ID | OJ990421_32.9919.C5 |
| Gene No. | 14632 | Strand | - |
| Start | 245 | End | 752 |
| Name | OJ990421_32.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 324 | End | 752 |
| GI | none | Score | 214 |
| Exons | 324..752, 340..744 | | |

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|---|---|---|---|
| Seq. No. | 6957 | Seq. ID | OJ990421_32.9919.C6 |
| Gene No. | 14633 | Strand | + |
| Start | 1 | End | 4282 |
| Name | OJ990421_32.9919.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4282 |
| GI | 5091513 | Score | 2251 |
| Exons | 1..1725, 1888..2078, 2674..2798, 2833..3112, 4005..4282 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6957 | Seq. ID | OJ990421_32.9919.C6 |
| Gene No. | 14633 | Strand | + |
| Start | 1 | End | 4282 |
| Name | OJ990421_32.9919.C6.o1.gs | Method | GENSCAN |
| Start | 73 | End | 2865 |
| GI | none | Score | .43 |
| Exons | 73..1926, 1981..2203, 2507..2865 | | |

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| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14634 | Strand | + |
| Start | 1 | End | 5393 |
| Name | OJ990421_32.9919.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4285 |
| GI | 6016874 | Score | 468 |
| Exons | 1..44, 351..510, 898..1064, 1263..1616, 2076..2290, 4264..4285 | | |
| GI Descrip. | (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14634 | Strand | + |
| Start | 1 | End | 5393 |
| Name | OJ990421_32.9919.C7.o1.gs | Method | GENSCAN |
| Start | 21 | End | 1522 |
| GI | none | Score | .92 |
| Exons | 21..510, 1065..1522 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14634 | Strand | + |
| Start | 1 | End | 5393 |
| Name | OJ990421_32.9919.C7.o2.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 4008 | End | 5393 |
| GI | none | Score | .76 |
| Exons | 4008..4051, 4228..4306, 5229..5328, 5371..5393 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14635 | Strand | + |
| Start | 6250 | End | 16495 |
| Name | OJ990421_32.9919.C7.o1.gp | Method | AAT/GAP |
| Start | 6165 | End | 7291 |
| GI | 42382_1.R1084 | Score | 946 |
| Exons | 6165..6496, 7129..7291 | | |
| GI Descrip. | '3928088 3.0e-23 (AC005770) putative peroxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14635 | Strand | + |
| Start | 6250 | End | 16495 |
| Name | OJ990421_32.9919.C7.o3.gs | Method | GENSCAN |
| Start | 6250 | End | 6575 |
| GI | none | Score | .95 |
| Exons | 6250..6496, 6559..6575 | | |

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| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14635 | Strand | + |
| Start | 6250 | End | 16495 |
| Name | OJ990421_32.9919.C7.o2.np | Method | AAT/NAP |
| Start | 6271 | End | 9930 |
| GI | 575605 | Score | 656 |
| Exons | 6271..6496, 7129..7483, 9340..9473, 9655..9930 | | |
| GI Descrip. | (D42065) cationic peroxidase isozyme 40K precursor [Nicotiana tabacum] | | |

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| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14635 | Strand | + |
| Start | 6250 | End | 16495 |
| Name | OJ990421_32.9919.C7.o4.gs | Method | GENSCAN |
| Start | 7123 | End | 16495 |
| GI | none | Score | .67 |
| Exons | 7123..7483, 9340..9464, 9634..9914, 11944..12011, 12920..12974, 13209..13336, 13603..13745, 14027..14859, 14896..15195, 15384..15695, 15814..16081, 16160..16495 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14636 | Strand | + |
| Start | 18346 | End | 19558 |
| Name | OJ990421_32.9919.C7.o6.gs | Method | GENSCAN |
| Start | 18346 | End | 19558 |
| GI | none | Score | .71 |
| Exons | 18346..18384, 19136..19558 | | |

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| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14637 | Strand | + |
| Start | 28665 | End | 29046 |
| Name | OJ990421_32.9919.C7.o2.gp | Method | AAT/GAP |
| Start | 28665 | End | 29046 |
| GI | uC-osflcyp033a04b1 | Score | 659 |
| Exons | 28665..29046 | | |

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14638 | Strand | - |
| Start | 17040 | End | 17810 |
| Name | OJ990421_32.9919.C7.o5.gs | Method | GENSCAN |
| Start | 17040 | End | 17810 |
| GI | none | Score | .51 |
| Exons | 17040..17397, 17656..17810 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14639 | Strand | - |
| Start | 20216 | End | 23271 |
| Name | OJ990421_32.9919.C7.o7.gs | Method | GENSCAN |
| Start | 20216 | End | 23271 |
| GI | none | Score | .67 |
| Exons | 20216..20479, 21151..21440, 21442..21635, 21750..21884, 22196..22561, 22670..23271 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o7.tm | Method | TBLASTX:Maize |
| Start | 44 | End | 245 |
| GI | none | Score | 243 |
| Exons | 44..244, 45..245 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 252 | End | 568 |
| GI | none | Score | 80 |
| Exons | 252..332, 342..566, 342..560, 347..568 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 765 | End | 1087 |
| GI | none | Score | 237 |
| Exons | 765..1013, 786..929, 812..973, 1010..1087, 1018..1062 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 1306 | End | 1552 |
| GI | none | Score | 243 |
| Exons | 1306..1548, 1310..1552 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 6352 | End | 9933 |

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|---|---|---|---|
| GI | none | Score | 138 |
| Exons | 6352..6495, 6371..6496, 7120..7167, 7171..7371, 7173..7370, 7396..7512, 9658..9933, 9745..9930 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 6371 | End | 9936 |
| GI | none | Score | 131 |
| Exons | 6371..6496, 6385..6492, 7066..7314, 7128..7307, 7333..7512, 9664..9816, 9826..9936 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 6371 | End | 9936 |
| GI | none | Score | 131 |
| Exons | 6371..6496, 7066..7308, 7128..7301, 7333..7512, 9670..9831, 9832..9936 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 7120 | End | 7407 |
| GI | none | Score | 58 |
| Exons | 7120..7188, 7128..7187, 7164..7307, 7171..7308, 7333..7407 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o6.ts | Method | TBLASTX:Soybean |
| Start | 19975 | End | 20224 |
| GI | none | Score | 52 |
| Exons | 19975..20016, 19980..20162, 20053..20160, 20159..20224 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 20001 | End | 20407 |
| GI | none | Score | 72 |
| Exons | 20001..20165, 20035..20163, 20165..20407 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 20767 | End | 21048 |
| GI | none | Score | 65 |
| Exons | 20767..20853, 20776..21048 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |

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|---|---|---|---|
| Name | OJ990421_32.9919.C7.o8.tm | Method | TBLASTX:Maize |
| Start | 20797 | End | 21129 |
| GI | none | Score | 190 |
| Exons | 20797..21129 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 21455 | End | 21829 |
| GI | none | Score | 78 |
| Exons | 21455..21670, 21504..21671, 21692..21829, 21696..21827 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 21993 | End | 22449 |
| GI | none | Score | 92 |
| Exons | 21993..22124, 22010..22129, 22168..22449, 22343..22411 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 22138 | End | 22596 |
| GI | none | Score | 71 |
| Exons | 22138..22596, 22139..22288, 22207..22587, 22343..22594 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 22144 | End | 22464 |
| GI | none | Score | 189 |
| Exons | 22144..22464 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 22465 | End | 22869 |
| GI | none | Score | 245 |
| Exons | 22465..22809, 22465..22818, 22667..22810, 22813..22869, 22837..22869 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 22597 | End | 22815 |
| GI | none | Score | 155 |
| Exons | 22597..22815, 22598..22810 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |

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|---|---|---|---|
| Name | OJ990421_32.9919.C7.o5.ts | Method | TBLASTX:Soybean |
| Start | 22666 | End | 23031 |
| GI | none | Score | 140 |
| Exons | 22666..22800, 22807..23031 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o8.gs | Method | GENSCAN |
| Start | 23447 | End | 27675 |
| GI | none | Score | .55 |
| Exons | 23447..24052, 24314..25030, 25412..25594, 25720..26037, 26089..26589, 27325..27675 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o7.ts | Method | TBLASTX:Soybean |
| Start | 23450 | End | 23779 |
| GI | none | Score | 191 |
| Exons | 23450..23779 | | |

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|---|---|---|---|
| Seq. No. | 6958 | Seq. ID | OJ990421_32.9919.C7 |
| Gene No. | 14640 | Strand | - |
| Start | 23447 | End | 30561 |
| Name | OJ990421_32.9919.C7.o5.np | Method | AAT/NAP |
| Start | 27293 | End | 30561 |
| GI | 5852180 | Score | 470 |
| Exons | 27293..27741, 27793..27911, 28895..28960, 30522..30561 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14641 | Strand | + |
| Start | 183 | End | 367 |
| Name | OJ990421_32.9919.C8.o1.gs | Method | GENSCAN |
| Start | 183 | End | 367 |
| GI | none | Score | .89 |
| Exons | 183..227, 290..367 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2832 |
| GI | 6093743 | Score | 138 |
| Exons | 1..33, 683..939, 1055..1172, 2806..2832 | | |
| GI Descrip. | PECTINESTERASE PRECURSOR (PECTIN METHYLESTERASE) (PE) gi\|533256 (L27101) pectinesterase [Petunia inflata] | | |

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|---|---|---|---|
| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o2.gs | Method | GENSCAN |
| Start | 559 | End | 7131 |
| GI | none | Score | .54 |
| Exons | 559..681, 724..867, 1161..1544, 1656..1689, 2648..2880, 5826..7131 | | |

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|---|---|---|---|
| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o3.ts | Method | TBLASTX:Soybean |
| Start | 1314 | End | 1610 |
| GI | none | Score | 209 |
| Exons | 1314..1610 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 1317 | End | 1623 |
| GI | none | Score | 63 |
| Exons | 1317..1403, 1320..1436, 1416..1613, 1444..1623, 1483..1614 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.gp | Method | AAT/GAP |
| Start | 2435 | End | 6233 |
| GI | 15861_1.R1084 | Score | 1557 |
| Exons | 2435..2880, 5826..6233 | | |
| GI Descrip. | '3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o2.np | Method | AAT/NAP |
| Start | 2629 | End | 6824 |
| GI | 3738309 | Score | 1120 |
| Exons | 2629..2880, 5826..6824 | | |
| GI Descrip. | (AC005309) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 2635 | End | 2882 |
| GI | none | Score | 275 |
| Exons | 2635..2880, 2636..2881, 2639..2881, 2733..2882 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 2638 | End | 6398 |
| GI | none | Score | 102 |
| Exons | 2638..2817, 2693..2812, 2785..2904, 2849..2905, 5829..5855, 5847..6050, 5848..6015, 5919..6038, 6051..6080, 6082..6315, 6087..6155, 6165..6317, 6324..6398, 6325..6390 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |

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|---|---|---|---|
| Name | OJ990421_32.9919.C8.o2.ts | Method | TBLASTX:Soybean |
| Start | 2638 | End | 5909 |
| GI | none | Score | 172 |
| Exons | 2638..2880, 2639..2881, 2647..2883, 5818..5907, 5826..5909 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 2638 | End | 2878 |
| GI | none | Score | 239 |
| Exons | 2638..2877, 2639..2878 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 5826 | End | 6503 |
| GI | none | Score | 754 |
| Exons | 5826..6503, 5833..6492 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 5829 | End | 6212 |
| GI | none | Score | 51 |
| Exons | 5829..5870, 5829..6209, 5830..6210, 5919..6212 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 5910 | End | 6833 |
| GI | none | Score | 61 |
| Exons | 5910..5972, 5958..6032, 5961..6023, 6024..6155, 6061..6162, 6147..6329, 6172..6315, 6262..6534, 6333..6533, 6705..6833 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o4.tm | Method | TBLASTX:Maize |
| Start | 6696 | End | 6867 |
| GI | none | Score | 171 |
| Exons | 6696..6866, 6697..6867 | | |

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| Seq. No. | 6959 | Seq. ID | OJ990421_32.9919.C8 |
| Gene No. | 14642 | Strand | - |
| Start | 1 | End | 7143 |
| Name | OJ990421_32.9919.C8.o2.gp | Method | AAT/GAP |
| Start | 6764 | End | 7143 |
| GI | LIB3477-002-P1-K1-F10 | Score | 740 |
| Exons | 6764..7143 | | |
| GI Descrip. | '2739368 2.0e-54 (AC002505) cyclin-like protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 6960 | Seq. ID | OJ990421_32.9919.C10 |

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|---|---|---|---|
| Gene No. | 14643 | Strand | + |
| Start | 1 | End | 1334 |
| Name | OJ990421_32.9919.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1334 |
| GI | 5852180 | Score | 396 |
| Exons | 1..429, 1141..1334 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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| Seq. No. | 6960 | Seq. ID | OJ990421_32.9919.C10 |
| Gene No. | 14644 | Strand | - |
| Start | 172 | End | 377 |
| Name | OJ990421_32.9919.C10.o1.gs | Method | GENSCAN |
| Start | 172 | End | 377 |
| GI | none | Score | .61 |
| Exons | 172..377 | | |

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| Seq. No. | 6961 | Seq. ID | OJ990421_32.9919.C13 |
| Gene No. | 14645 | Strand | + |
| Start | 214 | End | 278 |
| Name | OJ990421_32.9919.C13.o1.gs | Method | GENSCAN |
| Start | 214 | End | 278 |
| GI | none | Score | .7 |
| Exons | 214..278 | | |

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| Seq. No. | 6961 | Seq. ID | OJ990421_32.9919.C13 |
| Gene No. | 14646 | Strand | + |
| Start | 346 | End | 450 |
| Name | OJ990421_32.9919.C13.o2.np | Method | AAT/NAP |
| Start | 346 | End | 450 |
| GI | 6721561 | Score | 68 |
| Exons | 346..450 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6961 | Seq. ID | OJ990421_32.9919.C13 |
| Gene No. | 14647 | Strand | - |
| Start | 224 | End | 698 |
| Name | OJ990421_32.9919.C13.o1.np | Method | AAT/NAP |
| Start | 224 | End | 698 |
| GI | 4680183 | Score | 125 |
| Exons | 224..313, 654..698 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 6962 | Seq. ID | OJ990421_32.9919.C14 |
| Gene No. | 14648 | Strand | + |
| Start | 84 | End | 691 |
| Name | OJ990421_32.9919.C14.o1.np | Method | AAT/NAP |
| Start | 84 | End | 691 |
| GI | 106322 | Score | 453 |
| Exons | 84..691 | | |
| GI Descrip. | hypothetical protein (L1H 3' region) - human | | |

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| Seq. No. | 6963 | Seq. ID | OJ990421_32.9919.C15 |
| Gene No. | 14649 | Strand | - |

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|---|---|---|---|
| Start | 9 | End | 285 |
| Name | OJ990421_32.9919.C15.o1.gs | Method | GENSCAN |
| Start | 9 | End | 285 |
| GI | none | Score | .47 |
| Exons | 9..136, 169..285 | | |

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|---|---|---|---|
| Seq. No. | 6964 | Seq. ID | OJ990421_29.9923.C1 |
| Gene No. | 14650 | Strand | - |
| Start | 62 | End | 221 |
| Name | OJ990421_29.9923.C1.o1.gs | Method | GENSCAN |
| Start | 62 | End | 221 |
| GI | none | Score | .9 |
| Exons | 62..221 | | |

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| Seq. No. | 6965 | Seq. ID | OJ990421_29.9923.C2 |
| Gene No. | 14651 | Strand | - |
| Start | 223 | End | 516 |
| Name | OJ990421_29.9923.C2.o1.gp | Method | AAT/GAP |
| Start | 223 | End | 516 |
| GI | none | Score | 548 |
| Exons | 223..516 | | |

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|---|---|---|---|
| Seq. No. | 6966 | Seq. ID | OJ990421_29.9923.C3 |
| Gene No. | 14652 | Strand | - |
| Start | 101 | End | 587 |
| Name | OJ990421_29.9923.C3.o1.gs | Method | GENSCAN |
| Start | 101 | End | 587 |
| GI | none | Score | .9 |
| Exons | 101..289, 465..587 | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14653 | Strand | + |
| Start | 1 | End | 2976 |
| Name | OJ990421_29.9923.C5.o4.np | Method | AAT/NAP |
| Start | 1 | End | 2976 |
| GI | 5902445 | Score | 1069 |
| Exons | 1..64, 1803..2976 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14653 | Strand | + |
| Start | 1 | End | 2976 |
| Name | OJ990421_29.9923.C5.o1.np | Method | AAT/NAP |
| Start | 221 | End | 303 |
| GI | 6630699 | Score | 83 |
| Exons | 221..303 | | |
| GI Descrip. | (AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14653 | Strand | + |
| Start | 1 | End | 2976 |
| Name | OJ990421_29.9923.C5.o2.np | Method | AAT/NAP |
| Start | 430 | End | 666 |
| GI | 6539570 | Score | 186 |
| Exons | 430..666 | | |

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14654 | Strand | + |
| Start | 6818 | End | 7199 |
| Name | OJ990421_29.9923.C5.o1.gp | Method | AAT/GAP |
| Start | 6818 | End | 7199 |
| GI | uC-osf1cyp033a04b1 | Score | 663 |
| Exons | 6818..7199 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14655 | Strand | - |
| Start | 1 | End | 3017 |
| Name | OJ990421_29.9923.C5.o3.np | Method | AAT/NAP |
| Start | 1 | End | 3017 |
| GI | 6721512 | Score | 78 |
| Exons | 1..35, 1182..1283, 1311..1402, 2979..3017 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14656 | Strand | - |
| Start | 4739 | End | 11649 |
| Name | OJ990421_29.9923.C5.o5.np | Method | AAT/NAP |
| Start | 4739 | End | 11649 |
| GI | 5852180 | Score | 592 |
| Exons | 4739..4775, 5485..5897, 5949..6067, 7048..7104, 11615..11649 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14656 | Strand | - |
| Start | 4739 | End | 11649 |
| Name | OJ990421_29.9923.C5.o2.gp | Method | AAT/GAP |
| Start | 8196 | End | 8764 |
| GI | 4879016 | Score | 864 |
| Exons | 8196..8764 | | |
| GI Descrip. | 6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14656 | Strand | - |
| Start | 4739 | End | 11649 |
| Name | OJ990421_29.9923.C5.o6.np | Method | AAT/NAP |
| Start | 9052 | End | 10762 |
| GI | 6721561 | Score | 906 |
| Exons | 9052..9799, 9880..9938, 10009..10191, 10693..10762 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14656 | Strand | - |
| Start | 4739 | End | 11649 |

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|---|---|---|---|
| Name | OJ990421_29.9923.C5.o3.gp | Method | AAT/GAP |
| Start | 9500 | End | 10035 |
| GI | none | Score | 691 |
| Exons | 9500..9799, 9880..9938, 10009..10035 | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14656 | Strand | - |
| Start | 4739 | End | 11649 |
| Name | OJ990421_29.9923.C5.o7.np | Method | AAT/NAP |
| Start | 10469 | End | 11221 |
| GI | 6907089 | Score | 283 |
| Exons | 10469..11221 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14657 | Strand | - |
| Start | 11861 | End | 13750 |
| Name | OJ990421_29.9923.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1856 | End | 2160 |
| GI | none | Score | 204 |
| Exons | 1856..2083, 1873..2085, 2086..2160, 2088..2159 | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14657 | Strand | - |
| Start | 11861 | End | 13750 |
| Name | OJ990421_29.9923.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 1856 | End | 2238 |
| GI | none | Score | 178 |
| Exons | 1856..2083, 1864..2052, 2085..2237, 2086..2238 | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14657 | Strand | - |
| Start | 11861 | End | 13750 |
| Name | OJ990421_29.9923.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 2362 | End | 2967 |
| GI | none | Score | 275 |
| Exons | 2362..2766, 2376..2444, 2511..2618, 2659..2811, 2836..2967, 2844..2966 | | |

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|---|---|---|---|
| Seq. No. | 6967 | Seq. ID | OJ990421_29.9923.C5 |
| Gene No. | 14657 | Strand | - |
| Start | 11861 | End | 13750 |
| Name | OJ990421_29.9923.C5.o8.np | Method | AAT/NAP |
| Start | 11861 | End | 13750 |
| GI | 6721512 | Score | 70 |
| Exons | 11861..12016, 12044..12135, 13728..13750 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6968 | Seq. ID | OJ990421_29.9923.C6 |
| Gene No. | 14658 | Strand | - |
| Start | 2127 | End | 3114 |
| Name | OJ990421_29.9923.C6.o1.gs | Method | GENSCAN |
| Start | 2127 | End | 3114 |
| GI | none | Score | .58 |
| Exons | 2127..2462, 2784..2821, 2930..3114 | | |

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|---|---|---|---|
| Seq. No. | 6969 | Seq. ID | OJ990421_29.9923.C7 |

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|---|---|---|---|
| Gene No. | 14659 | Strand | + |
| Start | 884 | End | 1565 |
| Name | OJ990421_29.9923.C7.o1.gs | Method | GENSCAN |
| Start | 884 | End | 1565 |
| GI | none | Score | .81 |
| Exons | 884..910, 956..1083, 1248..1565 | | |

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|---|---|---|---|
| Seq. No. | 6970 | Seq. ID | OJ990421_29.9923.C8 |
| Gene No. | 14660 | Strand | + |
| Start | 77 | End | 1995 |
| Name | OJ990421_29.9923.C8.o1.gs | Method | GENSCAN |
| Start | 77 | End | 1995 |
| GI | none | Score | .55 |
| Exons | 77..214, 1927..1995 | | |

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|---|---|---|---|
| Seq. No. | 6970 | Seq. ID | OJ990421_29.9923.C8 |
| Gene No. | 14661 | Strand | + |
| Start | 7274 | End | 9599 |
| Name | OJ990421_29.9923.C8.o1.np | Method | AAT/NAP |
| Start | 7274 | End | 9599 |
| GI | 6539570 | Score | 158 |
| Exons | 7274..7463, 7639..7736, 9511..9599 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6970 | Seq. ID | OJ990421_29.9923.C8 |
| Gene No. | 14662 | Strand | - |
| Start | 5639 | End | 6870 |
| Name | OJ990421_29.9923.C8.o2.gs | Method | GENSCAN |
| Start | 5639 | End | 6870 |
| GI | none | Score | .66 |
| Exons | 5639..5969, 6785..6870 | | |

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|---|---|---|---|
| Seq. No. | 6970 | Seq. ID | OJ990421_29.9923.C8 |
| Gene No. | 14663 | Strand | - |
| Start | 7310 | End | 7690 |
| Name | OJ990421_29.9923.C8.o3.gs | Method | GENSCAN |
| Start | 7310 | End | 7690 |
| GI | none | Score | .68 |
| Exons | 7310..7442, 7635..7690 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14664 | Strand | + |
| Start | 67 | End | 172 |
| Name | OJ990421_29.9923.C11.o1.gp | Method | AAT/GAP |
| Start | 67 | End | 172 |
| GI | 5816518 | Score | 154 |
| Exons | 67..172 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14665 | Strand | + |
| Start | 1828 | End | 2226 |
| Name | OJ990421_29.9923.C11.o1.gs | Method | GENSCAN |
| Start | 1828 | End | 2226 |
| GI | none | Score | .41 |
| Exons | 1828..1961, 2097..2226 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14666 | Strand | + |
| Start | 8147 | End | 9154 |
| Name | OJ990421_29.9923.C11.o3.gs | Method | GENSCAN |
| Start | 8147 | End | 9154 |
| GI | none | Score | .64 |
| Exons | 8147..8198, 9051..9154 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14667 | Strand | + |
| Start | 14891 | End | 15421 |
| Name | OJ990421_29.9923.C11.o5.gs | Method | GENSCAN |
| Start | 14891 | End | 15421 |
| GI | none | Score | .72 |
| Exons | 14891..15421 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14668 | Strand | + |
| Start | 16120 | End | 16720 |
| Name | OJ990421_29.9923.C11.o6.gs | Method | GENSCAN |
| Start | 16120 | End | 16720 |
| GI | none | Score | .56 |
| Exons | 16120..16247, 16307..16470, 16566..16720 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14669 | Strand | - |
| Start | 1632 | End | 6787 |
| Name | OJ990421_29.9923.C11.o1.np | Method | AAT/NAP |
| Start | 1632 | End | 5213 |
| GI | 5091513 | Score | 1550 |
| Exons | 1632..1823, 2586..2725, 2851..3954, 4691..5213 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14669 | Strand | - |
| Start | 1632 | End | 6787 |
| Name | OJ990421_29.9923.C11.o2.gs | Method | GENSCAN |
| Start | 2342 | End | 6787 |
| GI | none | Score | .6 |
| Exons | 2342..2560, 2565..2625, 2664..2754, 2779..3613, 3653..3935, 4887..5124, 5803..5880, 6727..6787 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14669 | Strand | - |
| Start | 1632 | End | 6787 |
| Name | OJ990421_29.9923.C11.o2.gp | Method | AAT/GAP |
| Start | 6449 | End | 6556 |
| GI | 5816518 | Score | 155 |
| Exons | 6449..6556 | | |
| GI Descrip. | 4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14670 | Strand | - |
| Start | 12467 | End | 13629 |
| Name | OJ990421_29.9923.C11.o4.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 12467 | End | 13629 |
| GI | none | Score | .47 |
| Exons | 12467..12588, 13194..13341, 13579..13629 | | |

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|---|---|---|---|
| Seq. No. | 6971 | Seq. ID | OJ990421_29.9923.C11 |
| Gene No. | 14671 | Strand | - |
| Start | 17841 | End | 18071 |
| Name | OJ990421_29.9923.C11.o7.gs | Method | GENSCAN |
| Start | 17841 | End | 18071 |
| GI | none | Score | .8 |
| Exons | 17841..18006, 18034..18071 | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14672 | Strand | + |
| Start | 358 | End | 639 |
| Name | OJ990421_29.9923.C12.o1.gs | Method | GENSCAN |
| Start | 358 | End | 639 |
| GI | none | Score | .8 |
| Exons | 358..639 | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14673 | Strand | + |
| Start | 1614 | End | 7082 |
| Name | OJ990421_29.9923.C12.o2.gs | Method | GENSCAN |
| Start | 1614 | End | 7082 |
| GI | none | Score | .48 |
| Exons | 1614..1733, 1780..1836, 2094..2178, 4367..4464, 4470..4703, 4900..4948, 6784..7082 | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14673 | Strand | + |
| Start | 1614 | End | 7082 |
| Name | OJ990421_29.9923.C12.o1.np | Method | AAT/NAP |
| Start | 1849 | End | 5745 |
| GI | 6063554 | Score | 460 |
| Exons | 1849..1883, 3991..4268, 4386..4608, 4925..4952, 5571..5745 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14673 | Strand | + |
| Start | 1614 | End | 7082 |
| Name | OJ990421_29.9923.C12.o1.gp | Method | AAT/GAP |
| Start | 5155 | End | 5585 |
| GI | 2428185 | Score | 748 |
| Exons | 5155..5585 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14673 | Strand | + |
| Start | 1614 | End | 7082 |
| Name | OJ990421_29.9923.C12.o2.np | Method | AAT/NAP |
| Start | 5196 | End | 6733 |
| GI | 5032266 | Score | 137 |
| Exons | 5196..5228, 6413..6733 | | |

GI Descrip. (AF147265) similar to Arabidopsis thaliana putative En/Spm transposon protein (GB:AC005396)

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| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14673 | Strand | + |
| Start | 1614 | End | 7082 |
| Name | OJ990421_29.9923.C12.o2.gp | Method | AAT/GAP |
| Start | 6134 | End | 6446 |
| GI | 61605_3.R1084 | Score | 444 |
| Exons | 6134..6446 | | |
| GI Descrip. | '1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]' | | |

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| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14674 | Strand | + |
| Start | 8208 | End | 11330 |
| Name | OJ990421_29.9923.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 6433 | End | 6757 |
| GI | none | Score | 82 |
| Exons | 6433..6474, 6474..6710, 6479..6757, 6487..6699 | | |

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|---|---|---|---|
| Seq. No. | 6972 | Seq. ID | OJ990421_29.9923.C12 |
| Gene No. | 14674 | Strand | + |
| Start | 8208 | End | 11330 |
| Name | OJ990421_29.9923.C12.o3.gs | Method | GENSCAN |
| Start | 8208 | End | 11330 |
| GI | none | Score | .64 |
| Exons | 8208..8285, 9161..9265, 9286..9501, 9546..9767, 10761..11330 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14675 | Strand | + |
| Start | 2592 | End | 15757 |
| Name | OJ990421_29.9923.C13.o4.np | Method | AAT/NAP |
| Start | 2592 | End | 15757 |
| GI | 5902444 | Score | 973 |
| Exons | 2592..2748, 13232..13396, 13814..15338, 15588..15757 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14675 | Strand | + |
| Start | 2592 | End | 15757 |
| Name | OJ990421_29.9923.C13.o3.np | Method | AAT/NAP |
| Start | 3492 | End | 11080 |
| GI | 6691191 | Score | 573 |
| Exons | 3492..3547, 7061..7739, 11053..11080 | | |
| GI Descrip. | (AC007534) F7F22.15 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14675 | Strand | + |
| Start | 2592 | End | 15757 |
| Name | OJ990421_29.9923.C13.o5.np | Method | AAT/NAP |
| Start | 13669 | End | 15355 |
| GI | 6498441 | Score | 503 |
| Exons | 13669..14637, 14905..15355 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14676 | Strand | - |
| Start | 2028 | End | 5635 |
| Name | OJ990421_29.9923.C13.o1.np | Method | AAT/NAP |
| Start | 2028 | End | 5635 |
| GI | 4539452 | Score | 1469 |
| Exons | 2028..4275, 5538..5635 | | |
| GI Descrip. | (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana] | | |

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| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14677 | Strand | - |
| Start | 6493 | End | 8398 |
| Name | OJ990421_29.9923.C13.o2.gs | Method | GENSCAN |
| Start | 6493 | End | 8398 |
| GI | none | Score | .49 |
| Exons | 6493..6615, 6697..6791, 6969..7122, 7634..7747, 8312..8398 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 1983 | End | 2898 |
| GI | none | Score | 65 |
| Exons | 1983..2102, 2094..2591, 2098..2244, 2430..2489, 2598..2672, 2599..2688, 2688..2897, 2689..2736, 2773..2898 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 2025 | End | 2768 |
| GI | none | Score | 84 |
| Exons | 2025..2102, 2094..2591, 2098..2244, 2433..2573, 2598..2660, 2605..2658, 2688..2768, 2689..2730 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 2145 | End | 2672 |
| GI | none | Score | 120 |
| Exons | 2145..2591, 2148..2489, 2598..2672 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o2.tc | Method | TBLASTX:Cress |
| Start | 2742 | End | 3350 |
| GI | none | Score | 50 |
| Exons | 2742..2822, 2785..2823, 2832..2999, 2836..3000, 3030..3173, 3030..3188, 3034..3189, 3201..3350 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |

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|---|---|---|---|
| Name | OJ990421_29.9923.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 2770 | End | 3143 |
| GI | none | Score | 127 |
| Exons | 2770..3000, 2775..3002, 2805..3020, 3022..3141, 3030..3140, 3030..3143, 3034..3141 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 2800 | End | 3180 |
| GI | none | Score | 125 |
| Exons | 2800..3000, 2804..2965, 2805..2999, 3030..3173, 3030..3179, 3034..3180 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 2919 | End | 3203 |
| GI | none | Score | 60 |
| Exons | 2919..3002, 2935..3000, 3030..3179, 3030..3203, 3034..3189 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 3796 | End | 4204 |
| GI | none | Score | 44 |
| Exons | 3796..3843, 3853..3906, 3856..3906, 3910..4098, 3919..4065, 4093..4158, 4097..4159, 4160..4204 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o4.ts | Method | TBLASTX:Soybean |
| Start | 3940 | End | 4239 |
| GI | none | Score | 51 |
| Exons | 3940..4098, 3941..4015, 4093..4158, 4094..4159, 4160..4237, 4162..4239 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o3.tc | Method | TBLASTX:Cress |
| Start | 4021 | End | 4275 |
| GI | none | Score | 61 |
| Exons | 4021..4098, 4093..4158, 4094..4159, 4157..4270, 4160..4270, 4161..4271, 4162..4275 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 7282 | End | 7686 |
| GI | none | Score | 396 |
| Exons | 7282..7686, 7285..7656 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 7282 | End | 7704 |
| GI | none | Score | 391 |
| Exons | 7282..7704, 7378..7695 | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o4.tw | Method | TBLASTX:Wheat |
| Start | 13816 | End | 14208 |
| GI | none | Score | 56 |
| Exons | 13816..13860, 13861..13974, 13980..14153 | 13863..13922, 13948..14208, | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o4.tm | Method | TBLASTX:Maize |
| Start | 13834 | End | 14094 |
| GI | none | Score | 192 |
| Exons | 13834..14094 | | |

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| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o6.np | Method | AAT/NAP |
| Start | 14407 | End | 16469 |
| GI | 6721561 | Score | 68 |
| Exons | 14407..14429, 16383..16469 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 14842 | End | 16535 |
| GI | none | Score | 141 |
| Exons | 14842..15024, 14850..15023, 15097..15276, 16410..16535 | 15061..15297, 15066..15248, | |

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| Seq. No. | 6973 | Seq. ID | OJ990421_29.9923.C13 |
| Gene No. | 14678 | Strand | - |
| Start | 14407 | End | 16535 |
| Name | OJ990421_29.9923.C13.o5.tw | Method | TBLASTX:Wheat |
| Start | 15413 | End | 15619 |
| GI | none | Score | 178 |
| Exons | 15413..15619, 15427..15579 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |

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|---|---|---|---|
| Gene No. | 14679 | Strand | + |
| Start | 1 | End | 8091 |
| Name | OJ990421_29.9923.C14.o3.np | Method | AAT/NAP |
| Start | 1 | End | 8091 |
| GI | 4680183 | Score | 173 |
| Exons | 1..25, 7411..7481, 8002..8091 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14680 | Strand | + |
| Start | 8783 | End | 13007 |
| Name | OJ990421_29.9923.C14.o2.gs | Method | GENSCAN |
| Start | 8783 | End | 13007 |
| GI | none | Score | .75 |
| Exons | 8783..8933, 9069..9224, 9251..9800, 10325..10672, 10793..10907, 11608..11936, 11941..12091, 12882..13007 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14680 | Strand | + |
| Start | 8783 | End | 13007 |
| Name | OJ990421_29.9923.C14.o4.np | Method | AAT/NAP |
| Start | 10268 | End | 12171 |
| GI | 5902445 | Score | 1424 |
| Exons | 10268..10852, 10892..12171 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14681 | Strand | - |
| Start | 19 | End | 7969 |
| Name | OJ990421_29.9923.C14.o1.gs | Method | GENSCAN |
| Start | 19 | End | 7969 |
| GI | none | Score | .82 |
| Exons | 19..136, 280..538, 1123..1574, 1890..1957, 2194..5279, 5412..5546, 5729..5744, 5811..6018, 6146..6737, 7865..7969 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14681 | Strand | - |
| Start | 19 | End | 7969 |
| Name | OJ990421_29.9923.C14.o1.np | Method | AAT/NAP |
| Start | 988 | End | 5546 |
| GI | 4680179 | Score | 7397 |
| Exons | 988..5546 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14681 | Strand | - |
| Start | 19 | End | 7969 |
| Name | OJ990421_29.9923.C14.o2.np | Method | AAT/NAP |
| Start | 5807 | End | 6671 |
| GI | 5042448 | Score | 1235 |
| Exons | 5807..6671 | | |
| GI Descrip. | (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |

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|---|---|---|---|
| Name | OJ990421_29.9923.C14.o6.tw | Method | TBLASTX:Wheat |
| Start | 1033 | End | 1365 |
| GI | none | Score | 58 |
| Exons | 1033..1365, 1151..1273, 1258..1338 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 1213 | End | 1808 |
| GI | none | Score | 259 |
| Exons | 1213..1638, 1238..1639, 1647..1808, 1654..1800 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 1366 | End | 11643 |
| GI | none | Score | 189 |
| Exons | 1366..1635, 1367..1639, 1641..1841, 1641..1988, 1642..1986, 11488..11643 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o3.tm | Method | TBLASTX:Maize |
| Start | 1857 | End | 2147 |
| GI | none | Score | 241 |
| Exons | 1857..2147, 1861..2133 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 1947 | End | 2207 |
| GI | none | Score | 142 |
| Exons | 1947..2207, 1948..2202 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o3.tw | Method | TBLASTX:Wheat |
| Start | 1995 | End | 11317 |
| GI | none | Score | 224 |
| Exons | 1995..2474, 1996..2250, 2028..2441, 11201..11317 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 2478 | End | 2987 |
| GI | none | Score | 361 |
| Exons | 2478..2987, 2569..2985 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |

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|---|---|---|---|
| Name | OJ990421_29.9923.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 2557 | End | 2916 |
| GI | none | Score | 262 |
| Exons | 2557..2862, 2562..2915, 2569..2916 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o3.ts | Method | TBLASTX:Soybean |
| Start | 2736 | End | 2981 |
| GI | none | Score | 79 |
| Exons | 2736..2981, 2737..2976 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o5.tm | Method | TBLASTX:Maize |
| Start | 2916 | End | 3269 |
| GI | none | Score | 110 |
| Exons | 2916..3269, 2917..3201 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o5.tw | Method | TBLASTX:Wheat |
| Start | 2988 | End | 8726 |
| GI | none | Score | 214 |
| Exons | 2988..3269, 2989..3270, 3132..3290, 3200..3289, 8634..8726 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 3003 | End | 3398 |
| GI | none | Score | 130 |
| Exons | 3003..3362, 3004..3261, 3132..3362, 3313..3366, 3366..3398, 3367..3396 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o4.tm | Method | TBLASTX:Maize |
| Start | 3315 | End | 3752 |
| GI | none | Score | 345 |
| Exons | 3315..3752 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o4.tw | Method | TBLASTX:Wheat |
| Start | 3339 | End | 3821 |
| GI | none | Score | 259 |
| Exons | 3339..3821, 3382..3717 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |

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|---|---|---|---|
| Name | OJ990421_29.9923.C14.o9.tw | Method | TBLASTX:Wheat |
| Start | 3975 | End | 4397 |
| GI | none | Score | 106 |
| Exons | 3975..4145, 3985..4140, 4206..4397, 4232..4348, 4252..4350, 4254..4364 | | |

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|---|---|---|---|
| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o7.tm | Method | TBLASTX:Maize |
| Start | 4743 | End | 5039 |
| GI | none | Score | 46 |
| Exons | 4743..5039, 4755..4811, 4852..5022 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o7.tw | Method | TBLASTX:Wheat |
| Start | 4920 | End | 5280 |
| GI | none | Score | 65 |
| Exons | 4920..5066, 4920..5279, 4921..5154, 5179..5280 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o10.tw | Method | TBLASTX:Wheat |
| Start | 10272 | End | 10685 |
| GI | none | Score | 113 |
| Exons | 10272..10373, 10328..10363, 10416..10685, 10451..10492 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o5.np | Method | AAT/NAP |
| Start | 10286 | End | 14205 |
| GI | 5042463 | Score | 163 |
| Exons | 10286..10330, 12815..12929, 12981..13115, 13779..14205 | | |
| GI Descrip. | (AC007789) unknown protein [Oryza sativa] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o6.tm | Method | TBLASTX:Maize |
| Start | 11055 | End | 11359 |
| GI | none | Score | 137 |
| Exons | 11055..11207, 11072..11203, 11201..11359, 11206..11346 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o8.tw | Method | TBLASTX:Wheat |
| Start | 11644 | End | 12162 |
| GI | none | Score | 250 |
| Exons | 11644..12006, 11703..11810, 12031..12162 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |

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| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o8.tm | Method | TBLASTX:Maize |
| Start | 11776 | End | 12039 |
| GI | none | Score | 185 |
| Exons | 11776..12039 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o7.np | Method | AAT/NAP |
| Start | 13506 | End | 18008 |
| GI | 6907089 | Score | 279 |
| Exons | 13506..13555, 14144..14187, 16973..17637, 17925..18008 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o3.gs | Method | GENSCAN |
| Start | 14354 | End | 17598 |
| GI | none | Score | .73 |
| Exons | 14354..14531, 14940..15122, 15380..15531, 15733..15984, 16225..16574, 16836..17598 | | |

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| Seq. No. | 6974 | Seq. ID | OJ990421_29.9923.C14 |
| Gene No. | 14682 | Strand | - |
| Start | 10286 | End | 18008 |
| Name | OJ990421_29.9923.C14.o6.np | Method | AAT/NAP |
| Start | 15248 | End | 17343 |
| GI | 6721561 | Score | 446 |
| Exons | 15248..16009, 16082..16140, 16225..16418, 17275..17343 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6975 | Seq. ID | OJ990421_29.9923.C16 |
| Gene No. | 14683 | Strand | + |
| Start | 53 | End | 789 |
| Name | OJ990421_29.9923.C16.o1.gs | Method | GENSCAN |
| Start | 53 | End | 789 |
| GI | none | Score | .44 |
| Exons | 53..116, 770..789 | | |

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|---|---|---|---|
| Seq. No. | 6976 | Seq. ID | OJ990421_29.9923.C17 |
| Gene No. | 14684 | Strand | - |
| Start | 453 | End | 836 |
| Name | OJ990421_29.9923.C17.o1.gp | Method | AAT/GAP |
| Start | 453 | End | 836 |
| GI | LIB3432-059-P1-K1-D8 | Score | 526 |
| Exons | 453..836 | | |
| GI Descrip. | '5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01' | | |

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| Seq. No. | 6977 | Seq. ID | OJ990421_29.9923.C18 |
| Gene No. | 14685 | Strand | + |

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|---|---|---|---|
| Start | 413 | End | 554 |
| Name | OJ990421_29.9923.C18.o1.gs | Method | GENSCAN |
| Start | 413 | End | 554 |
| GI | none | Score | .73 |
| Exons | 413..554 | | |

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|---|---|---|---|
| Seq. No. | 6978 | Seq. ID | OJ990421_29.9923.C20 |
| Gene No. | 14686 | Strand | + |
| Start | 560 | End | 651 |
| Name | OJ990421_29.9923.C20.o1.gs | Method | GENSCAN |
| Start | 560 | End | 651 |
| GI | none | Score | .94 |
| Exons | 560..651 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 589 |
| GI | 4514635 | Score | 730 |
| Exons | 1..589 | | |
| GI Descrip. | (AB021175) root cap protein 1 [Zea mays] | | |

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| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 9 | End | 575 |
| GI | none | Score | 93 |
| Exons | 9..179, 28..183, 255..422, 277..420, 504..524, 531..575 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o2.ts | Method | TBLASTX:Soybean |
| Start | 9 | End | 194 |
| GI | none | Score | 86 |
| Exons | 9..194, 28..186 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.gs | Method | GENSCAN |
| Start | 15 | End | 589 |
| GI | none | Score | 1 |
| Exons | 15..589 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 315 | End | 575 |
| GI | none | Score | 92 |
| Exons | 315..524, 337..492, 525..575 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |

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|---|---|---|---|
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.gp | Method | AAT/GAP |
| Start | 410 | End | 589 |
| GI | uC-osrocyp015e08b1 | Score | 358 |
| Exons | 410..589 | | |
| GI Descrip. | '5902181/gb\|AAD01211.2\| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]' | | |

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| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 417 | End | 597 |
| GI | none | Score | 88 |
| Exons | 417..596, 418..492, 544..597 | | |

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|---|---|---|---|
| Seq. No. | 6979 | Seq. ID | OJ990501_21.9922.C1 |
| Gene No. | 14687 | Strand | - |
| Start | 1 | End | 701 |
| Name | OJ990501_21.9922.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 456 | End | 701 |
| GI | none | Score | 45 |
| Exons | 456..599, 457..492, 544..600, 678..701 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14688 | Strand | + |
| Start | 183 | End | 10340 |
| Name | OJ990501_21.9922.C2.o1.gs | Method | GENSCAN |
| Start | 183 | End | 10340 |
| GI | none | Score | .79 |
| Exons | 183..652, 929..1068, 1122..1233, 3382..3561, 5022..5102, 5638..5759, 6615..7471, 8404..8645, 8855..8948, 9054..9224, 9520..9697, 9733..10340 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14688 | Strand | + |
| Start | 183 | End | 10340 |
| Name | OJ990501_21.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 977 | End | 3790 |
| GI | 33042_1.R1084 | Score | 1131 |
| Exons | 977..1069, 2540..2591, 3021..3060, 3141..3225, 3382..3790 | | |
| GI Descrip. | '6006892/gb\|AAF00667.1\|AC008153_19 2.0e-57 (AC008153) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14688 | Strand | + |
| Start | 183 | End | 10340 |
| Name | OJ990501_21.9922.C2.o1.np | Method | AAT/NAP |
| Start | 2494 | End | 3562 |
| GI | 6006892 | Score | 449 |
| Exons | 2494..2591, 3021..3060, 3141..3225, 3382..3562 | | |
| GI Descrip. | (AC008153) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14688 | Strand | + |
| Start | 183 | End | 10340 |
| Name | OJ990501_21.9922.C2.o2.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 6752 | End | 9254 |
| GI | 3342242 | Score | 1854 |
| Exons | 6752..7471, 8158..8320, 8408..8645, 8855..8948, 9054..9254 | | |
| GI Descrip. | (AF030421) cell wall invertase; beta-fructofuranosidase; fructosidase [Triticum aestivum] | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14689 | Strand | + |
| Start | 15584 | End | 17074 |
| Name | OJ990501_21.9922.C2.o3.gs | Method | GENSCAN |
| Start | 15584 | End | 17074 |
| GI | none | Score | .99 |
| Exons | 15584..16067, 16080..17074 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14690 | Strand | - |
| Start | 11308 | End | 12056 |
| Name | OJ990501_21.9922.C2.o2.gs | Method | GENSCAN |
| Start | 11308 | End | 12056 |
| GI | none | Score | .64 |
| Exons | 11308..11636, 11966..12056 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14691 | Strand | - |
| Start | 15657 | End | 17179 |
| Name | OJ990501_21.9922.C2.o3.np | Method | AAT/NAP |
| Start | 15657 | End | 17179 |
| GI | 4678208 | Score | 1461 |
| Exons | 15657..17179 | | |
| GI Descrip. | (AC007134) putative sugar transporter [Arabidopsis thaliana] | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 2540 | End | 3818 |
| GI | none | Score | 71 |
| Exons | 2540..2590, 2541..2591, 2560..2607, 3003..3059, 3020..3058, 3130..3228, 3137..3229, 3382..3564, 3383..3565, 3619..3675, 3780..3818 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o4.ts | Method | TBLASTX:Soybean |
| Start | 2541 | End | 3568 |
| GI | none | Score | 72 |
| Exons | 2541..2591, 3003..3059, 3020..3055, 3130..3225, 3137..3229, 3383..3568, 3391..3564 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o6.tc | Method | TBLASTX:Cress |
| Start | 2541 | End | 3568 |
| GI | none | Score | 73 |
| Exons | 2541..2591, 3003..3092, 3130..3228, 3137..3229, 3398..3442, | | |

3439..3564, 3440..3568

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 5588 | End | 9247 |
| GI | none | Score | 44 |
| Exons | 5588..5632, 5648..5758, 5649..5756, 5650..5757, 6613..7476, 6614..7471, 6825..7472, 7330..7473, 8151..8318, 8152..8319, 8400..8528, 8401..8529, 8402..8545, 8526..8720, 8527..8628, 8596..8655, 8847..8933, 8855..8926, 9053..9136, 9054..9137, 9080..9247, 9081..9230 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 5588 | End | 9247 |
| GI | none | Score | 44 |
| Exons | 5588..5632, 5648..5758, 5649..5756, 5650..5757, 6613..7476, 6614..7471, 7330..7473, 8151..8318, 8152..8319, 8400..8528, 8401..8529, 8526..8720, 8527..8628, 8596..8655, 8847..8933, 8855..8926, 9053..9136, 9054..9137, 9080..9247, 9081..9230 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 5693 | End | 9230 |
| GI | none | Score | 93 |
| Exons | 5693..5758, 6608..6727, 6610..6948, 6614..6946, 6956..7201, 6974..7159, 7220..7246, 7253..7306, 7261..7467, 7337..7468, 8152..8256, 8160..8255, 8401..8469, 8476..8610, 8508..8591, 8587..8655, 9053..9121, 9054..9230 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 5717 | End | 6838 |
| GI | none | Score | 60 |
| Exons | 5717..5758, 6610..6684, 6614..6685, 6679..6837, 6680..6838 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o6.tm | Method | TBLASTX:Maize |
| Start | 9887 | End | 10316 |
| GI | none | Score | 259 |
| Exons | 9887..10042, 9888..10316 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 15719 | End | 16610 |

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|---|---|---|---|
| GI | none | Score | 68 |
| Exons | 15719..15796, 15719..16030, 15798..16028, 16058..16393, 16059..16394, 16397..16609, 16398..16610 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o4.tc | Method | TBLASTX:Cress |
| Start | 15719 | End | 15940 |
| GI | none | Score | 257 |
| Exons | 15719..15940 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 15731 | End | 17053 |
| GI | none | Score | 391 |
| Exons | 15731..16378, 15798..16379, 16385..17053, 16386..17039 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 16214 | End | 16672 |
| GI | none | Score | 143 |
| Exons | 16214..16672, 16239..16442, 16403..16555, 16512..16625 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 16398 | End | 16682 |
| GI | none | Score | 198 |
| Exons | 16398..16682, 16400..16681 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 16610 | End | 17053 |
| GI | none | Score | 393 |
| Exons | 16610..17053, 16611..17039 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o5.tc | Method | TBLASTX:Cress |
| Start | 16794 | End | 17039 |
| GI | none | Score | 152 |
| Exons | 16794..17039, 16796..17038 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o2.gp | Method | AAT/GAP |
| Start | 17741 | End | 18152 |

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|---|---|---|---|
| GI | 4716889 | Score | 502 |
| Exons | 17741..18152 | | |
| GI Descrip. | 2529662 8.0e-16 (AC002535) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] >gi_3738278 (AC005309) putative small nuclear ribonucleoprotein, Sm D2 [Arabidopsis thaliana] | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 17959 | End | 18278 |
| GI | none | Score | 202 |
| Exons | 17959..18075, 17960..18079, 17960..18079, 17961..18080, 17961..18080, 18135..18278, 18168..18275 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 17959 | End | 18276 |
| GI | none | Score | 202 |
| Exons | 17959..18075, 17960..18079, 17961..18080, 17962..18081, 18168..18275, 18169..18276 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 17960 | End | 18282 |
| GI | none | Score | 174 |
| Exons | 17960..18079, 17962..18075, 18147..18278, 18168..18275, 18169..18279, 18169..18282 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o3.tc | Method | TBLASTX:Cress |
| Start | 17962 | End | 18304 |
| GI | none | Score | 167 |
| Exons | 17962..18075, 17963..18079, 17970..18080, 18135..18278, 18168..18275, 18169..18279, 18170..18304 | | |

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|---|---|---|---|
| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o4.gs | Method | GENSCAN |
| Start | 17962 | End | 18275 |
| GI | none | Score | .99 |
| Exons | 17962..18078, 18171..18275 | | |

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| Seq. No. | 6980 | Seq. ID | OJ990501_21.9922.C2 |
| Gene No. | 14692 | Strand | - |
| Start | 17962 | End | 18304 |
| Name | OJ990501_21.9922.C2.o4.np | Method | AAT/NAP |
| Start | 17965 | End | 18275 |
| GI | 3738278 | Score | 303 |

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|---|---|---|---|
| Exons | 17965..18078, 18171..18275 | | |
| GI Descrip. | (AC005309) putative small nuclear ribonucleoprotein D2 [Arabidopsis thaliana] | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14693 | Strand | + |
| Start | 1 | End | 2301 |
| Name | OJ990501_21.9922.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2301 |
| GI | 3548810 | Score | 251 |
| Exons | 1..152, 262..656, 2251..2301 | | |
| GI Descrip. | (AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana] | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 267 | End | 653 |
| GI | none | Score | 68 |
| Exons | 267..305, 315..422, 453..530, 591..653 | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 270 | End | 653 |
| GI | none | Score | 48 |
| Exons | 270..305, 315..422, 456..653 | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o4.tm | Method | TBLASTX:Maize |
| Start | 270 | End | 644 |
| GI | none | Score | 51 |
| Exons | 270..305, 315..422, 435..644, 473..643 | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o2.np | Method | AAT/NAP |
| Start | 2787 | End | 8512 |
| GI | 3135269 | Score | 316 |
| Exons | 2787..2854, 3247..3563, 3647..3898, 4558..4796, 4988..5180, 5423..6191, 6295..6364, 6462..6511, 6610..6708, 8196..8229, 8448..8512 | | |
| GI Descrip. | (AC003058) unknown protein [Arabidopsis thaliana] | | |
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o2.gs | Method | GENSCAN |
| Start | 3257 | End | 8485 |
| GI | none | Score | .68 |
| Exons | 3257..3477, 3647..3887, 4508..4809, 5004..5180, 5426..5643, 5878..6190, 6270..6343, 6462..6524, 6620..6708, 7030..7677, | | |

8411..8485

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|---|---|---|---|
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o3.tm | Method | TBLASTX:Maize |
| Start | 5423 | End | 5675 |
| GI | none | Score | 130 |
| Exons | 5423..5509, 5424..5657, 5425..5514, 5430..5516, 5505..5675, 5513..5674 | | |

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| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 6084 | End | 6747 |
| GI | none | Score | 62 |
| Exons | 6084..6158, 6087..6146, 6146..6190, 6147..6188, 6258..6365, 6268..6366, 6459..6524, 6462..6527, 6618..6746, 6619..6711, 6619..6747 | | |

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|---|---|---|---|
| Seq. No. | 6981 | Seq. ID | OJ990501_21.9922.C3 |
| Gene No. | 14694 | Strand | + |
| Start | 3257 | End | 8512 |
| Name | OJ990501_21.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 7256 | End | 8488 |
| GI | none | Score | 100 |
| Exons | 7256..7393, 7258..7377, 7262..7393, 7275..7400, 7398..7679, 7403..7675, 7409..7696, 7420..7680, 8411..8488, 8411..8488 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2049 |
| GI | 3135269 | Score | 163 |
| Exons | 1..42, 595..675, 1062..1403, 1471..1734, 1772..2049 | | |
| GI Descrip. | (AC003058) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o1.gs | Method | GENSCAN |
| Start | 393 | End | 2049 |
| GI | none | Score | .87 |
| Exons | 393..540, 624..681, 1062..1260, 1353..1418, 1565..2049 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o2.np | Method | AAT/NAP |
| Start | 1626 | End | 5292 |
| GI | 3695059 | Score | 713 |
| Exons | 1626..1672, 2896..3068, 3153..3709, 5274..5292 | | |
| GI Descrip. | (AF064787) rac GTPase activating protein 1 [Lotus japonicus] | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |

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|---|---|---|---|
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 1648 | End | 1998 |
| GI | 21137_1.R1084 | Score | 639 |
| Exons | 1648..1998 | | |
| GI Descrip. | '5902181/gb\|AAD01211.2\| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o2.gs | Method | GENSCAN |
| Start | 2872 | End | 3732 |
| GI | none | Score | .92 |
| Exons | 2872..3068, 3153..3732 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14695 | Strand | + |
| Start | 1 | End | 5700 |
| Name | OJ990501_21.9922.C4.o3.gs | Method | GENSCAN |
| Start | 4020 | End | 5700 |
| GI | none | Score | .6 |
| Exons | 4020..4065, 4272..4721, 5197..5268, 5362..5471, 5665..5700 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14696 | Strand | + |
| Start | 8553 | End | 10565 |
| Name | OJ990501_21.9922.C4.o5.gs | Method | GENSCAN |
| Start | 8553 | End | 10565 |
| GI | none | Score | .55 |
| Exons | 8553..8962, 9046..9158, 9304..9551, 9627..9752, 10548..10565 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 615 | End | 1715 |
| GI | none | Score | 85 |
| Exons | 615..680, 622..678, 1061..1249, 1095..1250, 1120..1254, 1135..1257, 1362..1442, 1363..1422, 1564..1617, 1564..1653, 1668..1715 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 1863 | End | 2049 |
| GI | none | Score | 187 |
| Exons | 1863..2048, 1930..2049 | | |

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|---|---|---|---|
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 2943 | End | 3711 |
| GI | none | Score | 140 |

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| Exons | 2943..3068, 2944..3045, 3150..3227, 3151..3360, 3273..3449, 3360..3710, 3361..3711 | | |
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 3147 | End | 3609 |
| GI | none | Score | 239 |
| Exons | 3147..3356, 3151..3357, 3363..3479, 3364..3609 | | |
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 3160 | End | 3636 |
| GI | none | Score | 247 |
| Exons | 3160..3360, 3162..3227, 3273..3359, 3360..3623, 3361..3636 | | |
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 3412 | End | 3711 |
| GI | none | Score | 282 |
| Exons | 3412..3711, 3543..3710 | | |
| Seq. No. | 6982 | Seq. ID | OJ990501_21.9922.C4 |
| Gene No. | 14697 | Strand | - |
| Start | 7776 | End | 8129 |
| Name | OJ990501_21.9922.C4.o4.gs | Method | GENSCAN |
| Start | 7776 | End | 8129 |
| GI | none | Score | .98 |
| Exons | 7776..8129 | | |
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14698 | Strand | + |
| Start | 11822 | End | 25444 |
| Name | OJ990501_21.9922.C5.o2.gs | Method | GENSCAN |
| Start | 11822 | End | 25444 |
| GI | none | Score | .58 |
| Exons | 11822..12207, 12280..12413, 12532..12688, 13728..13995, 15814..16975, 17328..17521, 17553..17690, 17781..17837, 18072..18113, 22075..22947, 23087..23296, 23983..24090, 24476..24568, 24662..24772, 24868..24900, 24978..25028, 25346..25444 | | |
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14698 | Strand | + |
| Start | 11822 | End | 25444 |
| Name | OJ990501_21.9922.C5.o3.gp | Method | AAT/GAP |
| Start | 21709 | End | 21974 |
| GI | 4878182 | Score | 532 |
| Exons | 21709..21974 | | |
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14698 | Strand | + |

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|---|---|---|---|
| Start | 11822 | End | 25444 |
| Name | OJ990501_21.9922.C5.o4.gp | Method | AAT/GAP |
| Start | 23097 | End | 24549 |
| GI | 4880863 | Score | 892 |
| Exons | 23097..23296, 23983..24090, 24181..24222, 24301..24396, 24476..24549 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14699 | Strand | + |
| Start | 26722 | End | 31940 |
| Name | OJ990501_21.9922.C5.o3.gs | Method | GENSCAN |
| Start | 26722 | End | 31940 |
| GI | none | Score | .58 |
| Exons | 26722..26968, 27186..27321, 27743..27784, 28815..28899, 29205..29337, 29424..29605, 29892..30004, 30221..30287, 30585..30676, 30810..31004, 31835..31940 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14699 | Strand | + |
| Start | 26722 | End | 31940 |
| Name | OJ990501_21.9922.C5.o3.np | Method | AAT/NAP |
| Start | 26869 | End | 30103 |
| GI | 4101591 | Score | 839 |
| Exons | 26869..26968, 27186..27321, 27785..28057, 28392..28539, 28660..28899, 29205..29337, 29424..29605, 29892..30103 | | |
| GI Descrip. | (AF005051) aspartyl aminopeptidase [Mus musculus] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14699 | Strand | + |
| Start | 26722 | End | 31940 |
| Name | OJ990501_21.9922.C5.o5.gp | Method | AAT/GAP |
| Start | 29288 | End | 29851 |
| GI | 2801262 | Score | 376 |
| Exons | 29288..29337, 29424..29603, 29829..29851 | | |
| GI Descrip. | 5902181/gb\|AAD01211.2\| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14700 | Strand | + |
| Start | 34663 | End | 35118 |
| Name | OJ990501_21.9922.C5.o6.gp | Method | AAT/GAP |
| Start | 34663 | End | 35118 |
| GI | LIB3432-052-P1-K1-G9 | Score | 580 |
| Exons | 34663..34715, 34750..35118 | | |
| GI Descrip. | '4263696/gb\|AAD15382\| 4.0e-18 (AC006223) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14701 | Strand | + |
| Start | 43420 | End | 44838 |
| Name | OJ990501_21.9922.C5.o8.gp | Method | AAT/GAP |
| Start | 43361 | End | 43975 |
| GI | uC-osrocyp015e08b1 | Score | 984 |
| Exons | 43361..43690, 43796..43975 | | |
| GI Descrip. | '5902181/gb\|AAD01211.2\| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14701 | Strand | + |
| Start | 43420 | End | 44838 |
| Name | OJ990501_21.9922.C5.o10.np | Method | AAT/NAP |
| Start | 43411 | End | 44592 |
| GI | 4514637 | Score | 716 |
| Exons | 43411..43675, 43796..44592 | | |
| GI Descrip. | (AB021176) root cap protein 2 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14701 | Strand | + |
| Start | 43420 | End | 44838 |
| Name | OJ990501_21.9922.C5.o7.gs | Method | GENSCAN |
| Start | 43420 | End | 44838 |
| GI | none | Score | .72 |
| Exons | 43420..43690, 43796..44042, 44052..44496, 44818..44838 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14701 | Strand | + |
| Start | 43420 | End | 44838 |
| Name | OJ990501_21.9922.C5.o9.gp | Method | AAT/GAP |
| Start | 44297 | End | 44714 |
| GI | 23112_1.R1084 | Score | 832 |
| Exons | 44297..44714 | | |
| GI Descrip. | '4514635/dbj\|BAA75476.1\| 3.0e-23 (AB021175) root cap protein 1 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14702 | Strand | + |
| Start | 47561 | End | 50982 |
| Name | OJ990501_21.9922.C5.o11.np | Method | AAT/NAP |
| Start | 47551 | End | 49558 |
| GI | 4514637 | Score | 699 |
| Exons | 47551..47735, 47792..47858, 47955..48624, 49447..49558 | | |
| GI Descrip. | (AB021176) root cap protein 2 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14702 | Strand | + |
| Start | 47561 | End | 50982 |
| Name | OJ990501_21.9922.C5.o8.gs | Method | GENSCAN |
| Start | 47561 | End | 48675 |
| GI | none | Score | 1 |
| Exons | 47561..47858, 47948..48675 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14702 | Strand | + |
| Start | 47561 | End | 50982 |
| Name | OJ990501_21.9922.C5.o13.np | Method | AAT/NAP |
| Start | 48050 | End | 50982 |
| GI | 6523547 | Score | 317 |
| Exons | 48050..48671, 49614..49862, 50102..50211, 50308..50360, 50770..50982 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14702 | Strand | + |

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|---|---|---|---|
| Start | 47561 | End | 50982 |
| Name | OJ990501_21.9922.C5.o12.np | Method | AAT/NAP |
| Start | 49137 | End | 49237 |
| GI | 5777617 | Score | 68 |
| Exons | 49137..49237 | | |
| GI Descrip. | (AJ245900) CAA30375.1 protein [Oryza sativa] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14703 | Strand | + |
| Start | 52468 | End | 58880 |
| Name | OJ990501_21.9922.C5.o10.gs | Method | GENSCAN |
| Start | 52468 | End | 57150 |
| GI | none | Score | .65 |
| Exons | 52468..52622, 52745..52795, 52903..53029, 53373..53508, 54974..55119, 57058..57150 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14703 | Strand | + |
| Start | 52468 | End | 58880 |
| Name | OJ990501_21.9922.C5.o15.np | Method | AAT/NAP |
| Start | 52492 | End | 58880 |
| GI | 6598633 | Score | 414 |
| Exons | 52492..52674, 52757..52795, 54364..54452, 54541..54700, 54982..55119, 55533..55938, 56307..56450, 56622..56767, 57802..58017, 58544..58698, 58855..58880 | | |
| GI Descrip. | (AC006919) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14704 | Strand | - |
| Start | 227 | End | 8787 |
| Name | OJ990501_21.9922.C5.o1.gs | Method | GENSCAN |
| Start | 227 | End | 8656 |
| GI | none | Score | .63 |
| Exons | 227..260, 1112..1183, 4897..5101, 6156..6204, 7459..7547, 8281..8656 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14704 | Strand | - |
| Start | 227 | End | 8787 |
| Name | OJ990501_21.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 2079 | End | 2824 |
| GI | 3763448 | Score | 722 |
| Exons | 2079..2264, 2345..2433, 2531..2594, 2723..2824 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14704 | Strand | - |
| Start | 227 | End | 8787 |
| Name | OJ990501_21.9922.C5.o1.np | Method | AAT/NAP |
| Start | 5544 | End | 8787 |
| GI | 131136 | Score | 657 |
| Exons | 5544..6149, 8747..8787 | | |
| GI Descrip. | PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A1 gi\|72671\|pir\|\|A1RZP7 photosystem I P700 apoprotein A1 - rice chloroplast gi\|11982\|emb\|CAA33996\| (X15901) PSI P700 apoprotein A1 [Oryza sativa] gi\|226605\|prf\|\|1603356AB photosystem I P700 apoprotein A1 [Oryza sativa] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14704 | Strand | - |
| Start | 227 | End | 8787 |
| Name | OJ990501_21.9922.C5.o2.gp | Method | AAT/GAP |
| Start | 6385 | End | 6837 |
| GI | 572451 | Score | 893 |
| Exons | 6385..6837 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14704 | Strand | - |
| Start | 227 | End | 8787 |
| Name | OJ990501_21.9922.C5.o2.np | Method | AAT/NAP |
| Start | 7092 | End | 8655 |
| GI | 6523547 | Score | 108 |
| Exons | 7092..7108, 7349..7412, 8337..8655 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o4.np | Method | AAT/NAP |
| Start | 30531 | End | 35093 |
| GI | 6815062 | Score | 210 |
| Exons | 30531..30642, 30868..30997, 35051..35093 | | |
| GI Descrip. | (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o5.np | Method | AAT/NAP |
| Start | 30531 | End | 35346 |
| GI | 6815062 | Score | 214 |
| Exons | 30531..30642, 30868..31007, 35257..35346 | | |
| GI Descrip. | (AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o4.gs | Method | GENSCAN |
| Start | 32669 | End | 36098 |
| GI | none | Score | .49 |
| Exons | 32669..32902, 32972..33040, 33266..33386, 33581..33761, 34391..34446, 34879..36098 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o6.np | Method | AAT/NAP |
| Start | 33595 | End | 36985 |
| GI | 4263696 | Score | 550 |
| Exons | 33595..33672, 33858..33959, 34761..35746, 36893..36985 | | |
| GI Descrip. | (AC006223) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o7.np | Method | AAT/NAP |
| Start | 35164 | End | 37117 |
| GI | 6523547 | Score | 352 |
| Exons | 35164..35751, 36924..37117 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o8.np | Method | AAT/NAP |
| Start | 36894 | End | 38006 |
| GI | 4514635 | Score | 955 |
| Exons | 36894..37645, 37742..38006 | | |
| GI Descrip. | (AB021175) root cap protein 1 [Zea mays] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o5.gs | Method | GENSCAN |
| Start | 36924 | End | 37994 |
| GI | none | Score | .99 |
| Exons | 36924..37645, 37742..37994 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o7.gp | Method | AAT/GAP |
| Start | 37466 | End | 42960 |
| GI | uC-osrocyp015e08b1 | Score | 628 |
| Exons | 37466..37645, 41859..42105, 42889..42960 | | |
| GI Descrip. | '5902181/gb\|AAD01211.2\| 1.0e-30 (AF005050) aspartyl aminopeptidase [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o9.np | Method | AAT/NAP |
| Start | 41001 | End | 42131 |
| GI | 4514635 | Score | 940 |
| Exons | 41001..41746, 41859..42131 | | |
| GI Descrip. | (AB021175) root cap protein 1 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14705 | Strand | - |
| Start | 30531 | End | 42960 |
| Name | OJ990501_21.9922.C5.o6.gs | Method | GENSCAN |
| Start | 41025 | End | 42118 |
| GI | none | Score | .73 |
| Exons | 41025..41746, 41890..42118 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |

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|---|---|---|---|
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o10.tm | Method | TBLASTX:Maize |
| Start | 4838 | End | 5135 |
| GI | none | Score | 78 |
| Exons | 4838..4972, 4897..4974, 4974..5036, 4977..5036, 5034..5084, 5050..5085, 5067..5135, 5090..5134 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 5709 | End | 6153 |
| GI | none | Score | 112 |
| Exons | 5709..5801, 5811..5885, 5952..6152, 5953..6153 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 5709 | End | 6153 |
| GI | none | Score | 116 |
| Exons | 5709..5801, 5805..5885, 5929..6153, 5952..6152 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 5709 | End | 6153 |
| GI | none | Score | 116 |
| Exons | 5709..5801, 5805..5885, 5952..6152, 5953..6153 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o6.tc | Method | TBLASTX:Cress |
| Start | 17912 | End | 18677 |
| GI | none | Score | 39 |
| Exons | 17912..17974, 18071..18121, 18243..18305, 18390..18500, 18573..18677 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 26911 | End | 28037 |
| GI | none | Score | 104 |
| Exons | 26911..26991, 27182..27340, 27184..27339, 27772..27933, 27776..28018, 27777..28019, 27786..28037 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o7.ts | Method | TBLASTX:Soybean |
| Start | 26911 | End | 27326 |
| GI | none | Score | 95 |
| Exons | 26911..27006, 27015..27089, 27182..27322, 27184..27318, 27240..27326 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 27259 | End | 29276 |
| GI | none | Score | 78 |
| Exons | 27259..27339, 27260..27343, 27762..27974, 27776..27964, 27972..28058, 28393..28455, 28519..28545, 28650..28901, 28657..28902, 29193..29276 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 27785 | End | 28458 |
| GI | none | Score | 366 |
| Exons | 27785..28057, 27786..28079, 28393..28458 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 28644 | End | 31936 |
| GI | none | Score | 224 |
| Exons | 28644..28790, 28657..28902, 28869..28901, 29193..29276, 29411..29611, 29426..29605, 29503..29628, 29889..30002, 29891..30004, 29892..30017, 31766..31936, 31767..31925 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o4.tc | Method | TBLASTX:Cress |
| Start | 28777 | End | 29945 |
| GI | none | Score | 110 |
| Exons | 28777..28902, 29202..29267, 29204..29257, 29332..29448, 29384..29584, 29423..29569, 29503..29583, 29576..29611, 29892..29945 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 29429 | End | 29968 |
| GI | none | Score | 291 |
| Exons | 29429..29611, 29432..29611, 29887..29916, 29889..29966, 29890..29967, 29891..29968, 29892..29966, 29903..29968 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 29492 | End | 31938 |
| GI | none | Score | 171 |
| Exons | 29492..29611, 29495..29611, 29888..30004, 29892..30017, 31766..31936, 31767..31925, 31767..31937, 31768..31926, 31831..31938, 31868..31936 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o8.tm | Method | TBLASTX:Maize |
| Start | 32738 | End | 33676 |
| GI | none | Score | 121 |
| Exons | 32738..32893, 32738..32893, 32740..32904, 32742..32903, 32957..33037, 32966..33040, 32979..33041, 33263..33385, 33268..33390, 33273..33386, 33578..33676, 33580..33675 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 33894 | End | 35186 |
| GI | none | Score | 158 |
| Exons | 33894..33956, 34742..35110, 34761..35186, 34774..35151 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 34953 | End | 35300 |
| GI | none | Score | 105 |
| Exons | 34953..35300, 34953..35297 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o9.tm | Method | TBLASTX:Maize |
| Start | 36954 | End | 48624 |
| GI | none | Score | 107 |
| Exons | 36954..37157, 36976..37155, 41070..41258, 41133..41258, 44284..44487, 44292..44465, 48436..48624, 48493..48612 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 37035 | End | 48558 |
| GI | none | Score | 96 |
| Exons | 37035..37235, 37036..37239, 37311..37478, 37333..37476, 37560..37580, 37587..37631, 41136..41396, 41218..41337, 41412..41579, 41434..41577, 41661..41681, 41688..41732, 43642..43677, 43810..43854, 43861..43881, 43963..44130, 44205..44357, 44206..44406, 47962..48006, 48013..48036, 48115..48282, 48298..48558, 48357..48515 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o6.ts | Method | TBLASTX:Soybean |
| Start | 37065 | End | 48540 |
| GI | none | Score | 86 |
| Exons | 37065..37250, 37084..37242, 41166..41396, 44191..44376, 44199..44357, 48298..48540, 48369..48509 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o5.ts | Method | TBLASTX:Soybean |
| Start | 37371 | End | 48153 |
| GI | none | Score | 96 |
| Exons | 37371..37580, 37393..37548, 37581..37631, 41472..41681, 41475..41582, 41482..41649, 41682..41732, 43810..43860, 43861..44070, 43893..44060, 47962..48039, 48012..48152, 48013..48153 | | |

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|---|---|---|---|
| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 37473 | End | 48120 |
| GI | none | Score | 84 |
| Exons | 37473..37652, 37474..37548, 37600..37653, 37743..37814, 41574..41744, 41575..41649, 41701..41745, 41860..41895, 41894..41935, 43618..43689, 43797..43841, 43798..43968, 43893..43967, 47738..47857, 47949..48119, 47950..48120 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 37512 | End | 48081 |
| GI | none | Score | 49 |
| Exons | 37512..37655, 37513..37548, 37600..37656, 37734..37823, 37735..37815, 41613..41753, 41614..41649, 41701..41754, 41827..41895, 41853..41903, 41894..41944, 41896..41928, 43609..43698, 43611..43697, 43788..43841, 43789..43929, 43893..43928, 47777..47878, 47782..47865, 47929..48081, 47946..48080 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o9.gs | Method | GENSCAN |
| Start | 49841 | End | 51506 |
| GI | none | Score | .71 |
| Exons | 49841..50053, 50065..50358, 50430..50695, 50750..51001, 51284..51506 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14706 | Strand | - |
| Start | 49841 | End | 51598 |
| Name | OJ990501_21.9922.C5.o14.np | Method | AAT/NAP |
| Start | 50050 | End | 51598 |
| GI | 2832660 | Score | 426 |
| Exons | 50050..50358, 50430..50962, 51498..51598 | | |
| GI Descrip. | (AL021710) lipase-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14707 | Strand | |
| Start | 56172 | End | 56415 |

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|---|---|---|---|
| Name | OJ990501_21.9922.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 56172 | End | 56415 |
| GI | none | Score | 218 |
| Exons | 56172..56414, 56173..56376, 56182..56415, 56186..56413 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14708 | Strand | |
| Start | 56684 | End | 57709 |
| Name | OJ990501_21.9922.C5.o5.tc | Method | TBLASTX:Cress |
| Start | 56684 | End | 57709 |
| GI | none | Score | 90 |
| Exons | 56684..56791, 57362..57451, 57533..57709 | | |

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| Seq. No. | 6983 | Seq. ID | OJ990501_21.9922.C5 |
| Gene No. | 14709 | Strand | |
| Start | 57827 | End | 58636 |
| Name | OJ990501_21.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 57827 | End | 58636 |
| GI | none | Score | 179 |
| Exons | 57827..58042, 57828..58043, 57828..58043, 57829..58044, 57836..58054, 58115..58174, 58117..58179, 58120..58179, 58122..58184, 58528..58632, 58529..58636, 58541..58636 | | |

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| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14710 | Strand | + |
| Start | 630 | End | 3642 |
| Name | OJ990501_21.9922.C6.o1.gs | Method | GENSCAN |
| Start | 630 | End | 3464 |
| GI | none | Score | .7 |
| Exons | 630..810, 886..1249, 1321..1437, 1748..1829, 1940..2034, 2167..2241, 2428..2790, 2865..2940, 3039..3202, 3345..3464 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14710 | Strand | + |
| Start | 630 | End | 3642 |
| Name | OJ990501_21.9922.C6.o1.np | Method | AAT/NAP |
| Start | 1044 | End | 3489 |
| GI | 6006718 | Score | 792 |
| Exons | 1044..1271, 1358..1437, 1583..1651, 1748..1863, 1943..2034, 2167..2241, 2428..2790, 2865..2940, 3039..3202, 3345..3489 | | |
| GI Descrip. | (AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14710 | Strand | + |
| Start | 630 | End | 3642 |
| Name | OJ990501_21.9922.C6.o1.gp | Method | AAT/GAP |
| Start | 2526 | End | 3642 |
| GI | 70833_1.R1084 | Score | 1447 |
| Exons | 2526..2790, 2865..2940, 3039..3202, 3345..3642 | | |
| GI Descrip. | '6006718/gb\|AAF00582.1\|AF109376_1 4.0e-26 (AF109376) tRNA isopentenyl transferase [Arabidopsis thaliana]' | | |

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| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 287 | End | 813 |

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| GI | none | Score | 95 |
| Exons | 287..385, 303..392, 437..535, 466..537, 468..539, 627..683, 636..683, 644..793, 675..800, 700..813 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o3.ts | Method | TBLASTX:Soybean |
| Start | 1108 | End | 1454 |
| GI | none | Score | 85 |
| Exons | 1108..1191, 1109..1180, 1186..1272, 1187..1276, 1356..1454, 1357..1449 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 2413 | End | 2783 |
| GI | none | Score | 378 |
| Exons | 2413..2673, 2418..2672, 2425..2673, 2632..2781, 2685..2783 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 2413 | End | 2653 |
| GI | none | Score | 262 |
| Exons | 2413..2643, 2420..2653, 2421..2642, 2425..2643 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o2.gs | Method | GENSCAN |
| Start | 4891 | End | 5550 |
| GI | none | Score | .99 |
| Exons | 4891..5550 | | |

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| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 4971 | End | 5178 |
| GI | none | Score | 285 |
| Exons | 4971..5132, 4975..5178 | | |

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| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 4977 | End | 5469 |
| GI | none | Score | 116 |
| Exons | 4977..5060, 4978..5058, 5061..5135, 5062..5178, 5182..5274, 5380..5469 | | |

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| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |

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|---|---|---|---|
| Name | OJ990501_21.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 4977 | End | 5274 |
| GI | none | Score | 120 |
| Exons | 4977..5039, 4978..5049, 5047..5178, 5061..5135, 5182..5274 | | |

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|---|---|---|---|
| Seq. No. | 6984 | Seq. ID | OJ990501_21.9922.C6 |
| Gene No. | 14711 | Strand | + |
| Start | 4891 | End | 5550 |
| Name | OJ990501_21.9922.C6.o2.np | Method | AAT/NAP |
| Start | 4987 | End | 5547 |
| GI | 4581145 | Score | 300 |
| Exons | 4987..5547 | | |
| GI Descrip. | (AC006919) putative AP2 domain transcription factor [Arabidopsis thaliana] | | |

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| Seq. No. | 6985 | Seq. ID | OJ990501_21.9922.C7 |
| Gene No. | 14712 | Strand | - |
| Start | 4513 | End | 5172 |
| Name | OJ990501_21.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 4320 | End | 4721 |
| GI | none | Score | 695 |
| Exons | 4320..4721 | | |

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|---|---|---|---|
| Seq. No. | 6985 | Seq. ID | OJ990501_21.9922.C7 |
| Gene No. | 14712 | Strand | - |
| Start | 4513 | End | 5172 |
| Name | OJ990501_21.9922.C7.o2.gs | Method | GENSCAN |
| Start | 4513 | End | 5172 |
| GI | none | Score | .75 |
| Exons | 4513..4670, 5028..5172 | | |

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14713 | Strand | + |
| Start | 1 | End | 14131 |
| Name | OJ990421_26.9922.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 14131 |
| GI | 1184075 | Score | 1458 |
| Exons | 1..619, 1685..1919, 11312..11484, 11704..12113, 12189..12627, 12916..13379, 13425..14131 | | |
| GI Descrip. | (U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi\|1587673\|prf\|\|2207203A Cf-2 gene [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 2 | End | 13851 |
| GI | none | Score | 131 |
| Exons | 2..226, 5..226, 8..226, 8..214, 20..217, 35..217, 35..226, 191..439, 218..943, 242..1015, 245..796, 260..466, 269..664, 326..1087, 407..952, 413..601, 413..1153, 421..723, 421..651, 458..1156, 557..1303, 563..1084, 602..937, 614..1300, 752..814, 758..1303, 772..879, 776..1153, 830..1300, 965..1156, 976..1083, 1181..1303, 1249..1311, 1352..1480, 1352..1474, 1670..1861, 1670..1864, 1670..1861, 1670..1864, 1679..1861, 1679..1861, 1679..1861, 1679..1861, 1679..1861, 1679..1852, 1679..1786, 1705..1932, 1738..1878, 11140..11178, 11269..11685, | | |

11272..11535, 11275..11535, 11275..11685, 11275..11685,
11278..11487, 11278..11676, 11278..11466, 11278..11694,
11284..11694, 11572..11694, 11575..11685, 11701..11973,
11701..12006, 11704..11853, 11710..12117, 11710..12048,
11710..12120, 11713..12120, 11718..11912, 11722..12120,
11794..12129, 11808..11921, 11854..12129, 11866..12129,
12133..12552, 12142..12264, 12145..12267, 12145..12624,
12148..12261, 12172..12267, 12229..12984, 12324..12626,
12324..12554, 12325..12936, 12325..13056, 12325..12423,
12325..12768, 12325..12699, 12328..12855, 12361..13119,
12364..12912, 12388..12504, 12445..13206, 12445..12987,
12589..13239, 12589..13140, 12676..13257, 12679..13215,
12706..12768, 12805..13200, 13519..13797, 13519..13794,
13519..13797, 13534..13800, 13534..13797, 13534..13797,
13543..13734, 13543..13602, 13543..13848, 13543..13851,
13543..13797, 13602..13733, 13615..13848, 13635..13796,
13684..13797

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| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 2 | End | 13869 |
| GI | none | Score | 141 |

Exons 2..217, 2..226, 8..217, 8..145, 23..226, 68..874, 70..216,
218..346, 245..508, 269..931, 326..724, 407..796, 410..535,
413..1084, 419..1039, 421..546, 461..871, 479..1168, 487..579,
533..937, 605..1009, 640..729, 677..1084, 749..1219, 770..1300,
821..1228, 863..976, 890..1300, 1013..1300, 1352..1453,
1352..1477, 1664..1861, 1667..1864, 1667..1792, 1679..1861,
1679..1861, 1679..1861, 1681..1932, 1685..1861, 1694..1861,
1712..1837, 11257..11520, 11260..11694, 11263..11640,
11269..11616, 11278..11688, 11374..11700, 11563..12120,
11701..12048, 11704..12120, 11713..11835, 11722..12129,
11737..12129, 11742..11930, 11742..11903, 11785..12129,
11892..11993, 11899..12012, 11973..12056, 12130..12249,
12148..12267, 12148..12198, 12324..12482, 12325..12627,
12325..12708, 12325..12555, 12325..12834, 12327..12482,
12328..12990, 12334..12447, 12364..12774, 12382..12627,
12436..12840, 12543..12632, 12580..12987, 12652..13059,
12673..13245, 12676..13071, 12748..13254, 12796..13203,
12916..13203, 13021..13215, 13084..13239, 13216..13365,
13222..13350, 13519..13797, 13519..13725, 13531..13656,
13534..13797, 13543..13797, 13543..13797, 13543..13845,
13545..13796, 13549..13797, 13558..13797, 13576..13701,
13630..13869

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 5 | End | 13161 |
| GI | none | Score | 140 |

Exons 5..226, 5..226, 8..199, 35..226, 218..850, 242..919, 326..991,
413..1063, 424..579, 557..1159, 686..1219, 956..1228,
11506..11685, 11701..11841, 11701..11850, 11704..11814,
12010..12129, 12025..12129, 12142..12207, 12148..12537,

12148..12267, 12229..12894, 12325..12966, 12445..13110,
12589..13161

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 8 | End | 13872 |
| GI | none | Score | 124 |

Exons 8..217, 55..144, 191..436, 407..652, 773..1009, 965..1228,
1607..1861, 1609..2007, 1621..1995, 1922..2008, 11287..11469,
11866..12120, 11920..12120, 12334..12555, 12676..12912,
12868..13131, 13471..13872, 13473..13871

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 1253 | End | 13782 |
| GI | none | Score | 125 |

Exons 1253..1474, 1259..1501, 1542..1580, 1607..1828, 1621..1827,
11272..11424, 11347..11502, 11857..12003, 13162..13416,
13180..13419, 13471..13692, 13485..13691, 13549..13671,
13669..13782

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|---|---|---|---|
| Seq. No. | 6986 | Seq. ID | OJ990421_26.9922.C1 |
| Gene No. | 14714 | Strand | - |
| Start | 8277 | End | 13872 |
| Name | OJ990421_26.9922.C1.o2.gs | Method | GENSCAN |
| Start | 8277 | End | 10380 |
| GI | none | Score | .44 |

Exons 8277..8656, 10320..10380

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14715 | Strand | + |
| Start | 885 | End | 2404 |
| Name | OJ990421_26.9922.C2.o1.gs | Method | GENSCAN |
| Start | 885 | End | 2404 |
| GI | none | Score | .77 |

Exons 885..968, 1057..1177, 1555..1718, 2012..2166, 2266..2404

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14715 | Strand | + |
| Start | 885 | End | 2404 |
| Name | OJ990421_26.9922.C2.o3.np | Method | AAT/NAP |
| Start | 1017 | End | 2298 |
| GI | 5922620 | Score | 381 |

Exons 1017..1211, 1555..1640, 1871..2298

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14716 | Strand | - |
| Start | 1 | End | 752 |

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|---|---|---|---|
| Name | OJ990421_26.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 752 |
| GI | 6539570 | Score | 167 |
| Exons | 1..24, 218..311, 549..752 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14717 | Strand | - |
| Start | 879 | End | 956 |
| Name | OJ990421_26.9922.C2.o2.np | Method | AAT/NAP |
| Start | 879 | End | 956 |
| GI | 6630699 | Score | 88 |
| Exons | 879..956 | | |
| GI Descrip. | (AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14718 | Strand | - |
| Start | 2928 | End | 3893 |
| Name | OJ990421_26.9922.C2.o2.gs | Method | GENSCAN |
| Start | 2928 | End | 3893 |
| GI | none | Score | .79 |
| Exons | 2928..3022, 3066..3237, 3537..3634, 3866..3893 | | |

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|---|---|---|---|
| Seq. No. | 6987 | Seq. ID | OJ990421_26.9922.C2 |
| Gene No. | 14718 | Strand | - |
| Start | 2928 | End | 3893 |
| Name | OJ990421_26.9922.C2.o4.np | Method | AAT/NAP |
| Start | 3184 | End | 3715 |
| GI | 5042454 | Score | 184 |
| Exons | 3184..3244, 3547..3715 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6988 | Seq. ID | OJ990421_26.9922.C3 |
| Gene No. | 14719 | Strand | + |
| Start | 1435 | End | 2514 |
| Name | OJ990421_26.9922.C3.o1.gs | Method | GENSCAN |
| Start | 1435 | End | 2514 |
| GI | none | Score | .46 |
| Exons | 1435..1484, 1733..1866, 1941..2013, 2457..2514 | | |

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|---|---|---|---|
| Seq. No. | 6988 | Seq. ID | OJ990421_26.9922.C3 |
| Gene No. | 14720 | Strand | - |
| Start | 454 | End | 977 |
| Name | OJ990421_26.9922.C3.o1.np | Method | AAT/NAP |
| Start | 454 | End | 977 |
| GI | 6539570 | Score | 146 |
| Exons | 454..536, 774..977 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6988 | Seq. ID | OJ990421_26.9922.C3 |
| Gene No. | 14721 | Strand | - |
| Start | 1104 | End | 2448 |
| Name | OJ990421_26.9922.C3.o2.np | Method | AAT/NAP |
| Start | 1104 | End | 2448 |
| GI | 6630699 | Score | 75 |

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|---|---|---|---|
| Exons | 1104..1175, 2398..2448 | | |
| GI Descrip. | (AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14722 | Strand | + |
| Start | 122 | End | 6023 |
| Name | OJ990421_26.9922.C4.o1.gs | Method | GENSCAN |
| Start | 122 | End | 6023 |
| GI | none | Score | .74 |
| Exons | 122..212, 1638..1767, 2645..5705, 5992..6023 | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14722 | Strand | + |
| Start | 122 | End | 6023 |
| Name | OJ990421_26.9922.C4.o1.np | Method | AAT/NAP |
| Start | 2414 | End | 6023 |
| GI | 1184075 | Score | 1452 |
| Exons | 2414..2477, 2874..3489, 3625..6023 | | |
| GI Descrip. | (U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi\|1587673\|prf\|\|2207203A Cf-2 gene [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14723 | Strand | - |
| Start | 7035 | End | 8295 |
| Name | OJ990421_26.9922.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 2984 | End | 5998 |
| GI | none | Score | 47 |
| Exons | 2984..3010, 3074..3349, 3077..3340, 3080..3427, 3089..3520, 3089..3286, 3089..3505, 3104..3532, 3200..3514, 3395..3526, 3470..3937, 3497..3937, 3509..3937, 3512..3736, 3512..3802, 3512..3853, 3512..3928, 3512..3856, 3518..3937, 3518..3925, 3518..3928, 3521..3736, 3535..3645, 3544..3720, 3602..3937, 3662..3937, 3835..3927, 3929..4309, 3929..4312, 3929..4654, 3953..4720, 3956..4507, 3956..4375, 3964..4074, 3973..4362, 4052..4792, 4055..4576, 4097..4663, 4109..4795, 4114..4290, 4129..4506, 4169..4801, 4273..4506, 4274..4801, 4456..4866, 4541..4795, 4547..4735, 4711..4866, 4744..4938, 4852..5052, 4859..5047, 4859..5029, 4862..5047, 4862..5047, 4862..5029, 4862..5038, 4862..5014, 4862..5050, 4901..5047, 4901..5047, 4912..5064, 4921..5016, 5045..5098, 5048..5089, 5048..5086, 5093..5239, 5125..5232, 5130..5225, 5147..5233, 5147..5233, 5147..5233, 5150..5239, 5150..5233, 5246..5335, 5258..5395, 5258..5395, 5258..5377, 5261..5380, 5341..5394, 5399..5554, 5399..5545, 5417..5554, 5675..5896, 5684..5896, 5693..5875, 5693..5998, 5708..5815 | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14723 | Strand | - |
| Start | 7035 | End | 8295 |
| Name | OJ990421_26.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 3032 | End | 5875 |
| GI | none | Score | 155 |
| Exons | 3032..3508, 3080..3514, 3083..3460, 3242..3535, 3404..3544, 3512..3937, 3512..3928, 3512..3856, 3512..3937, 3514..3711, 3515..3856, 3521..3643, 3521..3643, 3530..3928, 3542..3937, | | |

3550..3738, 3593..3937, 3698..3937, 3779..4585, 3928..3993,
3929..4291, 3956..4246, 3964..4290, 3980..4642, 4037..4435,
4100..4507, 4114..4290, 4123..4290, 4124..4795, 4172..4582,
4190..4795, 4244..4648, 4316..4726, 4388..4795, 4532..4798,
4546..4800, 4556..4801, 4567..4794, 4574..4687, 4676..5020,
4699..4881, 4718..4795, 4855..5010, 4859..5047, 4862..5047,
4862..5068, 4862..5029, 4862..5047, 4916..5047, 4934..5086,
5036..5086, 5045..5092, 5113..5268, 5128..5247, 5147..5416,
5258..5395, 5261..5380, 5276..5392, 5399..5533, 5402..5539,
5408..5536, 5681..5875, 5693..5815

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14723 | Strand | - |
| Start | 7035 | End | 8295 |
| Name | OJ990421_26.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 3212 | End | 6529 |
| GI | none | Score | 71 |
| Exons | 3212..3322, 3458..3532, 3512..3604, 3737..3886, 3988..4101, 4091..4258, 4301..4468, 4596..4637, 4892..5041, 4901..5047, 4973..5086, 5195..5392, 5342..5653, 5344..5649, 5660..5812, 5679..5843, 5686..5820, 6347..6529, 6348..6491 | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14723 | Strand | - |
| Start | 7035 | End | 8295 |
| Name | OJ990421_26.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 3458 | End | 6491 |
| GI | none | Score | 48 |
| Exons | 3458..3523, 3512..3712, 4163..4435, 4484..4798, 4676..4801, 4696..4938, 4862..5038, 5603..5653, 5604..5660, 5675..6022, 5680..6036, 6326..6490, 6348..6491 | | |

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|---|---|---|---|
| Seq. No. | 6989 | Seq. ID | OJ990421_26.9922.C4 |
| Gene No. | 14723 | Strand | - |
| Start | 7035 | End | 8295 |
| Name | OJ990421_26.9922.C4.o2.gs | Method | GENSCAN |
| Start | 7035 | End | 8295 |
| GI | none | Score | .82 |
| Exons | 7035..7275, 8180..8295 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14724 | Strand | + |
| Start | 2253 | End | 2458 |
| Name | OJ990421_26.9922.C6.o2.gs | Method | GENSCAN |
| Start | 2253 | End | 2458 |
| GI | none | Score | .73 |
| Exons | 2253..2257, 2290..2329, 2393..2458 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14725 | Strand | - |
| Start | 350 | End | 964 |
| Name | OJ990421_26.9922.C6.o1.gs | Method | GENSCAN |
| Start | 350 | End | 964 |
| GI | none | Score | .65 |
| Exons | 350..649, 659..964 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |

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|---|---|---|---|
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 4052 | End | 13402 |
| GI | none | Score | 127 |

Exons 4052..4327, 4055..4318, 4058..4492, 4061..4438, 4070..4414,
4076..4486, 4100..4492, 4306..4629, 4361..4648, 4499..4639,
4505..4645, 4604..4657, 4715..4918, 4715..4948, 4715..4900,
4718..4924, 4799..4918, 4820..4918, 4912..5172, 4918..5211,
4918..5220, 4936..5175, 4936..5181, 4936..5181, 4944..5180,
4947..5111, 4953..5120, 4954..5181, 5010..5198, 5011..5199,
5035..5160, 5089..5211, 5314..5562, 5425..5559, 5437..5709,
5524..5562, 5556..5693, 5569..5700, 5608..5745, 5750..5986,
5780..5974, 5834..6046, 6167..6187, 9740..9841, 9751..9840,
10427..10480, 10484..10654, 10488..10643, 10661..10804,
10665..10769, 10829..10960, 10869..10946, 11216..11461,
11276..11461, 11279..11467, 11279..11461, 11279..11461,
11279..11461, 11279..11575, 11279..11398, 11462..11680,
11462..11680, 11462..11668, 11462..11680, 11471..11632,
11484..11633, 11489..11689, 11499..11654, 11499..11693,
11681..11974, 11693..12025, 11693..11788, 11696..12382,
11697..11795, 11700..11816, 11702..12046, 11703..11960,
11703..11939, 11708..12460, 11711..12118, 11783..12190,
11838..12371, 11858..12262, 11864..12526, 11921..12727,
11924..12334, 11999..12406, 12071..12487, 12215..12604,
12216..12383, 12216..12530, 12216..12392, 12260..12550,
12360..12602, 12476..12577, 12513..12578, 12569..12997,
12569..12913, 12575..12772, 12578..13135, 12578..12961,
12578..12994, 12578..12994, 12579..12725, 12650..12997,
12651..12878, 12695..12799, 12698..12820, 12768..12956,
12795..12956, 12795..12950, 12855..12971, 12863..12985,
13004..13387, 13010..13402, 13013..13276, 13058..13396

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 4055 | End | 13396 |
| GI | none | Score | 146 |

Exons 4055..4318, 4058..4414, 4067..4327, 4076..4483, 4076..4486,
4076..4246, 4076..4492, 4190..4492, 4283..4483, 4292..4405,
4343..4498, 4405..4641, 4436..4525, 4445..4660, 4499..4630,
4502..4660, 4502..4648, 4511..4558, 4535..4639, 4715..4975,
4718..4897, 4718..4924, 4763..4921, 4769..4918, 4787..4921,
4793..4858, 4915..5091, 4915..5181, 4918..5193, 4918..5130,
4918..5199, 4921..5196, 4936..5193, 4936..5196, 4945..5199,
4953..4973, 4956..5120, 4963..5199, 4990..5043, 5053..5199,
5074..5181, 5314..5403, 5314..5397, 5314..5397, 5314..5400,
5314..5397, 5349..5390, 5419..5562, 5425..5547, 5425..5571,
5428..5547, 5428..5736, 5443..5559, 5563..5721, 5563..5748,
5590..5739, 5590..5739, 5590..5712, 5599..5736, 5855..6055,
9562..9642, 9745..9840, 9746..9841, 9950..10012, 10427..10462,
10487..10669, 10670..10828, 10671..10838, 10793..10957,
10821..10958, 11201..11251, 11276..11428, 11276..11455,
11276..11422, 11279..11461, 11279..11461, 11279..11464,
11280..11456, 11285..11461, 11351..11404, 11405..11461,
11420..11464, 11448..11660, 11459..12004, 11462..11689,

11462..11506, 11462..11680, 11462..11629, 11480..11680,
11480..11680, 11489..11707, 11490..11594, 11510..11680,
11588..11683, 11627..12478, 11681..12415, 11690..12286,
11693..11833, 11711..12346, 11711..11863, 11712..11939,
11712..11987, 11732..11908, 11739..11909, 11783..12550,
11795..11986, 11858..12577, 11858..12148, 11865..12227,
11955..12278, 11984..12529, 11999..12292, 12062..12364,
12081..12392, 12083..12274, 12129..12365, 12134..12604,
12134..12436, 12155..12346, 12194..12550, 12197..12511,
12210..12509, 12236..12415, 12278..12778, 12288..12515,
12296..12409, 12335..12529, 12338..12553, 12341..12550,
12569..12994, 12569..12985, 12575..12820, 12578..12997,
12578..12994, 12578..12985, 12578..12871, 12629..12988,
12635..12853, 12650..12943, 12660..12944, 12704..12994,
12795..12980, 12795..12986, 12815..13063, 12857..12997,
13004..13108, 13004..13306, 13004..13108, 13013..13396,
13091..13288, 13091..13141, 13169..13327, 13169..13324

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 4055 | End | 12832 |
| GI | none | Score | 83 |
| Exons | 4055..4195, 4067..4267, 4511..4657, 4921..5040, 4936..5187, 5074..5199, 5776..5838, 5777..5821, 5849..6193, 5851..6153, 5864..6190, 6593..6649, 6713..6796, 11204..11461, 11228..11461, 11465..11680, 11690..11830, 11711..12022, 11711..11902, 11999..12262, 12089..12406, 12578..12832 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 4067 | End | 13108 |
| GI | none | Score | 128 |
| Exons | 4067..4327, 4085..4222, 4085..4267, 4256..4486, 4508..4633, 4508..4732, 4508..4657, 4520..4630, 4677..4739, 4715..4921, 4769..4924, 4769..4966, 4921..5070, 4936..5112, 4945..5211, 4945..5142, 5002..5181, 5074..5193, 5095..5214, 5146..5211, 5291..5398, 5316..5402, 5317..5403, 5376..5546, 5428..5721, 5852..6046, 5855..6055, 11213..11680, 11214..11684, 11279..11440, 11459..11680, 11459..11587, 11660..12085, 11690..11800, 11700..11825, 11711..11872, 11753..12163, 11783..11971, 11822..12232, 11915..12304, 11930..12109, 12062..12445, 12071..12256, 12113..12526, 12113..12520, 12185..12526, 12249..12371, 12257..12535, 12287..12469, 12332..12550, 12344..12568, 12488..12547, 12569..12667, 12578..12952, 12578..12883, 12744..12986, 12746..12988, 12764..12988, 12794..12976, 12833..12985, 12998..13099, 13004..13108 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 7626 | End | 7839 |

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|---|---|---|---|
| GI | none | Score | 100 |
| Exons | 7626..7685, 7627..7689, 7628..7684, 7679..7780, 7688..7780, 7693..7782, 7771..7830, 7773..7835, 7786..7839 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 7692 | End | 7894 |
| GI | none | Score | 209 |
| Exons | 7692..7841, 7693..7839, 7697..7894 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o4.gs | Method | GENSCAN |
| Start | 7873 | End | 13714 |
| GI | none | Score | .82 |
| Exons | 7873..7947, 8238..8398, 8530..8683, 8797..8868, 9625..9839, 10426..13714 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o1.np | Method | AAT/NAP |
| Start | 8276 | End | 13711 |
| GI | 2827715 | Score | 1286 |
| Exons | 8276..8304, 9546..9839, 10426..11412, 11488..11659, 11729..12233, 12306..12529, 12677..13057, 13274..13414, 13496..13711 | | |
| GI Descrip. | (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 9757 | End | 10988 |
| GI | none | Score | 61 |
| Exons | 9757..9840, 10427..10462, 10466..10666, 10488..10667, 10673..10822, 10674..10805, 10862..10987, 10869..10988 | | |

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|---|---|---|---|
| Seq. No. | 6990 | Seq. ID | OJ990421_26.9922.C6 |
| Gene No. | 14726 | Strand | - |
| Start | 7873 | End | 13714 |
| Name | OJ990421_26.9922.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 10427 | End | 10822 |
| GI | none | Score | 66 |
| Exons | 10427..10822, 10496..10600 | | |

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| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14727 | Strand | + |
| Start | 4544 | End | 6583 |
| Name | OJ990421_26.9922.C7.o2.gs | Method | GENSCAN |
| Start | 4544 | End | 6583 |
| GI | none | Score | .48 |
| Exons | 4544..4651, 6153..6245, 6455..6583 | | |

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| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14728 | Strand | + |
| Start | 9073 | End | 13775 |
| Name | OJ990421_26.9922.C7.o3.gs | Method | GENSCAN |
| Start | 9073 | End | 13775 |
| GI | none | Score | .63 |
| Exons | 9073..9222, 10383..10636, 10647..10795, 11974..12203, 12502..12613, 12714..12982, 13153..13168, 13192..13775 | | |

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|---|---|---|---|
| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 14017 | End | 14340 |
| GI | none | Score | 86 |
| Exons | 14017..14340, 14189..14338 | | |

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|---|---|---|---|
| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o1.np | Method | AAT/NAP |
| Start | 14032 | End | 16152 |
| GI | 6967112 | Score | 428 |
| Exons | 14032..14724, 16129..16152 | | |
| GI Descrip. | (AL138652) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 14266 | End | 14683 |
| GI | none | Score | 508 |
| Exons | 14266..14682, 14267..14683 | | |

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|---|---|---|---|
| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 14342 | End | 14725 |
| GI | none | Score | 68 |
| Exons | 14342..14575, 14344..14721, 14358..14525, 14414..14722, 14612..14725 | | |

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| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 14353 | End | 14724 |
| GI | none | Score | 38 |
| Exons | 14353..14517, 14432..14497, 14524..14724, 14546..14722 | | |

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|---|---|---|---|
| Seq. No. | 6991 | Seq. ID | OJ990421_26.9922.C7 |
| Gene No. | 14729 | Strand | - |
| Start | 14032 | End | 16152 |
| Name | OJ990421_26.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 14878 | End | 15219 |

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|---|---|---|---|
| GI | none | Score | 69 |
| Exons | 14878..15219, 14900..15022, 14950..15177 | | |

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|---|---|---|---|
| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o1.gs | Method | GENSCAN |
| Start | 2791 | End | 12721 |
| GI | none | Score | .49 |
| Exons | 2791..2815, 2983..3110, 3112..3210, 7770..7820, 7905..8441, 8470..8574, 8607..8843, 8907..9901, 9903..10799, 10896..11686, 12426..12721 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o1.np | Method | AAT/NAP |
| Start | 7857 | End | 13212 |
| GI | 5922631 | Score | 5230 |
| Exons | 7857..7981, 8240..8484, 8743..8945, 8991..9562, 9605..9756, 9883..10807, 11414..13212 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ | | |

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|---|---|---|---|
| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o5.tw | Method | TBLASTX:Wheat |
| Start | 9167 | End | 9569 |
| GI | none | Score | 289 |
| Exons | 9167..9475, 9168..9569 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o4.tw | Method | TBLASTX:Wheat |
| Start | 10147 | End | 10824 |
| GI | none | Score | 147 |
| Exons | 10147..10323, 10368..10604, 10372..10602, 10651..10824 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 10824 | End | 11280 |
| GI | none | Score | 491 |
| Exons | 10824..11279, 10825..11280 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o2.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 10864 | End | 11229 |
| GI | none | Score | 138 |
| Exons | 10864..11088, 11095..11229 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 10954 | End | 11310 |
| GI | none | Score | 370 |
| Exons | 10954..11310, 10995..11300 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 11395 | End | 11819 |
| GI | none | Score | 429 |
| Exons | 11395..11814, 11439..11819 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 11473 | End | 11874 |
| GI | none | Score | 307 |
| Exons | 11473..11874, 11490..11633 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 11541 | End | 11985 |
| GI | none | Score | 270 |
| Exons | 11541..11795, 11542..11796, 11542..11799, 11556..11801, 11817..11948, 11818..11961, 11959..11985 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o6.tw | Method | TBLASTX:Wheat |
| Start | 11824 | End | 12108 |
| GI | none | Score | 275 |
| Exons | 11824..12105, 11833..11922, 11943..12107, 12013..12108 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o3.ts | Method | TBLASTX:Soybean |
| Start | 12100 | End | 12489 |
| GI | none | Score | 87 |
| Exons | 12100..12204, 12108..12194, 12262..12489, 12263..12319, 12365..12487 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |

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|---|---|---|---|
| Name | OJ990421_26.9922.C8.o3.tw | Method | TBLASTX:Wheat |
| Start | 12109 | End | 12532 |
| GI | none | Score | 151 |
| Exons | 12109..12264, 12114..12263, 12262..12456, 12263..12532 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 12362 | End | 12616 |
| GI | none | Score | 185 |
| Exons | 12362..12616, 12370..12477 | | |

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| Seq. No. | 6992 | Seq. ID | OJ990421_26.9922.C8 |
| Gene No. | 14730 | Strand | + |
| Start | 2791 | End | 13212 |
| Name | OJ990421_26.9922.C8.o7.tw | Method | TBLASTX:Wheat |
| Start | 12548 | End | 12889 |
| GI | none | Score | 135 |
| Exons | 12548..12682, 12736..12867, 12749..12889 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14731 | Strand | + |
| Start | 10294 | End | 14540 |
| Name | OJ990421_26.9922.C9.o2.gp | Method | AAT/GAP |
| Start | 10294 | End | 13265 |
| GI | uC-osflcyp077g12b1 | Score | 1002 |
| Exons | 10294..10495, 10580..10797, 13149..13265 | | |
| GI Descrip. | '4102839 3.0e-45 (AF016713) LeOPT1 [Lycopersicon esculentum]' | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14731 | Strand | + |
| Start | 10294 | End | 14540 |
| Name | OJ990421_26.9922.C9.o3.np | Method | AAT/NAP |
| Start | 10360 | End | 14540 |
| GI | 4102839 | Score | 1223 |
| Exons | 10360..10498, 10583..10797, 13149..14540 | | |
| GI Descrip. | (AF016713) LeOPT1 [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14731 | Strand | + |
| Start | 10294 | End | 14540 |
| Name | OJ990421_26.9922.C9.o3.gp | Method | AAT/GAP |
| Start | 13416 | End | 13881 |
| GI | uC-osflM202094c09b1 | Score | 928 |
| Exons | 13416..13881 | | |
| GI Descrip. | '4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]' | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14732 | Strand | + |
| Start | 20885 | End | 25436 |
| Name | OJ990421_26.9922.C9.o5.gs | Method | GENSCAN |
| Start | 20885 | End | 25436 |
| GI | none | Score | .61 |
| Exons | 20885..20900, 22393..22555, 24307..24545, 25285..25436 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14732 | Strand | + |
| Start | 20885 | End | 25436 |
| Name | OJ990421_26.9922.C9.o4.np | Method | AAT/NAP |
| Start | 22598 | End | 23978 |
| GI | 5922615 | Score | 80 |
| Exons | 22598..22662, 23921..23978 | | |
| GI Descrip. | (AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016848\|dbj\|BAA85191.1\| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14733 | Strand | + |
| Start | 25702 | End | 26252 |
| Name | OJ990421_26.9922.C9.o5.gp | Method | AAT/GAP |
| Start | 25702 | End | 26252 |
| GI | 2315_5.R1084 | Score | 398 |
| Exons | 25702..25952, 26212..26252 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14734 | Strand | - |
| Start | 1060 | End | 2595 |
| Name | OJ990421_26.9922.C9.o1.gs | Method | GENSCAN |
| Start | 1060 | End | 2595 |
| GI | none | Score | .76 |
| Exons | 1060..2595 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14734 | Strand | - |
| Start | 1060 | End | 2595 |
| Name | OJ990421_26.9922.C9.o1.np | Method | AAT/NAP |
| Start | 1081 | End | 2202 |
| GI | 6606570 | Score | 577 |
| Exons | 1081..2202 | | |
| GI Descrip. | (AF215729) unknown [Glycine max] | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14734 | Strand | - |
| Start | 1060 | End | 2595 |
| Name | OJ990421_26.9922.C9.o1.gp | Method | AAT/GAP |
| Start | 2313 | End | 2482 |
| GI | none | Score | 319 |
| Exons | 2313..2482 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14735 | Strand | - |
| Start | 5024 | End | 7680 |
| Name | OJ990421_26.9922.C9.o2.np | Method | AAT/NAP |
| Start | 4794 | End | 7680 |
| GI | 6815109 | Score | 197 |
| Exons | 4794..4812, 5512..5716, 6695..6951, 7203..7561, 7615..7680 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14735 | Strand | - |
| Start | 5024 | End | 7680 |
| Name | OJ990421_26.9922.C9.o2.gs | Method | GENSCAN |
| Start | 5024 | End | 7548 |
| GI | none | Score | .59 |
| Exons | 5024..5226, 5436..5565, 5618..5824, 6516..6630, 7279..7385, 7462..7548 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 1207 | End | 2229 |
| GI | none | Score | 91 |
| Exons | 1207..1350, 1354..1539, 1393..1539, 1393..1494, 1393..1539, 1627..1719, 1765..1890, 1768..1827, 1786..1830, 1936..2082, 1936..2019, 1945..2046, 1951..2064, 2020..2211, 2089..2229, 2089..2229, 2089..2217, 2089..2199, 2092..2217, 2092..2211, 2092..2193, 2161..2199 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 1301 | End | 2199 |
| GI | none | Score | 336 |
| Exons | 1301..1720, 1315..1719, 2089..2199 | | |

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|---|---|---|---|
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 1387 | End | 2220 |
| GI | none | Score | 62 |
| Exons | 1387..1521, 1390..1653, 1390..1539, 1390..1437, 1390..1521, 1402..1539, 1444..1539, 1735..1887, 1753..1890, 1753..1890, 1765..1890, 1768..1890, 1777..1890, 1778..2008, 1795..1890, 1936..2061, 1942..2064, 1945..2070, 1957..2061, 2072..2140, 2086..2220, 2089..2220, 2089..2220, 2089..2211, 2089..2211, 2089..2190, 2092..2208, 2158..2217 | | |

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| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 1390 | End | 2199 |
| GI | none | Score | 471 |
| Exons | 1390..1509, 1402..1518, 1494..1967, 1495..1995, 1496..1996, 1942..2127, 2068..2199 | | |

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|---|---|---|---|
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 10405 | End | 14390 |
| GI | none | Score | 136 |

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|---|---|---|---|
| Exons | 10405..10494, 10407..10493, 10581..10805, 10582..10794, 13148..13621, 13149..13739, 13782..14390, 13820..14389 | | |
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 10405 | End | 10749 |
| GI | none | Score | 143 |
| Exons | 10405..10494, 10407..10493, 10582..10749, 10582..10746 | | |
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 10407 | End | 14390 |
| GI | none | Score | 111 |
| Exons | 10407..10499, 10408..10497, 10593..10805, 10594..10797, 13148..13210, 13149..13193, 13217..13534, 13236..13637, 13782..14390, 13877..14377 | | |
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 10408 | End | 10713 |
| GI | none | Score | 101 |
| Exons | 10408..10497, 10594..10713, 10608..10703 | | |
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 13217 | End | 14399 |
| GI | none | Score | 131 |
| Exons | 13217..13384, 13236..13400, 13377..13433, 13410..13733, 13436..13621, 13782..14399, 13817..14398 | | |
| Seq. No. | 6993 | Seq. ID | OJ990421_26.9922.C9 |
| Gene No. | 14736 | Strand | - |
| Start | 15628 | End | 19580 |
| Name | OJ990421_26.9922.C9.o4.gs | Method | GENSCAN |
| Start | 15628 | End | 19580 |
| GI | none | Score | .48 |
| Exons | 15628..15730, 16002..16198, 16433..16576, 17211..17323, 19370..19580 | | |
| Seq. No. | 6994 | Seq. ID | OJ990421_26.9922.C10 |
| Gene No. | 14737 | Strand | + |
| Start | 153 | End | 595 |
| Name | OJ990421_26.9922.C10.o1.gs | Method | GENSCAN |
| Start | 153 | End | 595 |
| GI | none | Score | .67 |
| Exons | 153..248, 521..595 | | |
| Seq. No. | 6995 | Seq. ID | OJ990421_26.9922.C11 |
| Gene No. | 14738 | Strand | + |

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|---|---|---|---|
| Start | 12 | End | 644 |
| Name | OJ990421_26.9922.C11.o1.gs | Method | GENSCAN |
| Start | 12 | End | 644 |
| GI | none | Score | .48 |
| Exons | 12..644 | | |

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|---|---|---|---|
| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14739 | Strand | + |
| Start | 15669 | End | 20781 |
| Name | OJ990501_28.9922.C2.o3.gs | Method | GENSCAN |
| Start | 15669 | End | 20125 |
| GI | none | Score | .91 |
| Exons | 15669..15739, 16440..16529, 17973..18088, 19225..19352, 19637..20125 | | |

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|---|---|---|---|
| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14739 | Strand | + |
| Start | 15669 | End | 20781 |
| Name | OJ990501_28.9922.C2.o3.np | Method | AAT/NAP |
| Start | 18059 | End | 20781 |
| GI | 6522547 | Score | 118 |
| Exons | 18059..18088, 19225..19352, 19637..19739, 20601..20781 | | |
| GI Descrip. | (AL132955) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14740 | Strand | - |
| Start | 1 | End | 2849 |
| Name | OJ990501_28.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2849 |
| GI | 2583130 | Score | 1340 |
| Exons | 1..2849 | | |
| GI Descrip. | (AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14741 | Strand | - |
| Start | 8020 | End | 14603 |
| Name | OJ990501_28.9922.C2.o2.gs | Method | GENSCAN |
| Start | 8020 | End | 14603 |
| GI | none | Score | .48 |
| Exons | 8020..8123, 8839..8941, 10346..10500, 10750..10921, 12949..13087, 13118..13238, 14582..14603 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14742 | Strand | - |
| Start | 20754 | End | 24873 |
| Name | OJ990501_28.9922.C2.o4.gs | Method | GENSCAN |
| Start | 20754 | End | 24565 |
| GI | none | Score | .6 |
| Exons | 20754..21099, 21511..21588, 21939..22614, 23602..23812, 23915..24565 | | |

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|---|---|---|---|
| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14742 | Strand | - |
| Start | 20754 | End | 24873 |
| Name | OJ990501_28.9922.C2.o4.np | Method | AAT/NAP |
| Start | 20874 | End | 24556 |

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|---|---|---|---|
| GI | 6752888 | Score | 1983 |
| Exons | 20874..21096, 21511..21588, 21939..22614, 23602..23812, 23915..24556 | | |
| GI Descrip. | (AF220204) unknown [Malus domestica] | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14742 | Strand | - |
| Start | 20754 | End | 24873 |
| Name | OJ990501_28.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 24438 | End | 24873 |
| GI | 2427852 | Score | 623 |
| Exons | 24438..24580, 24669..24873 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 231 | End | 512 |
| GI | none | Score | 85 |
| Exons | 231..512, 235..510 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o5.tw | Method | TBLASTX:Wheat |
| Start | 288 | End | 690 |
| GI | none | Score | 156 |
| Exons | 288..623, 324..689, 352..690 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 620 | End | 1304 |
| GI | none | Score | 96 |
| Exons | 620..811, 834..1157, 1161..1304 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 879 | End | 1259 |
| GI | none | Score | 167 |
| Exons | 879..1046, 880..1053, 890..1072, 1038..1256, 1041..1259, 1168..1257 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o7.tm | Method | TBLASTX:Maize |
| Start | 16449 | End | 19984 |
| GI | none | Score | 64 |
| Exons | 16449..16532, 16454..16504, 16473..16532, 19218..19358, 19220..19360, 19637..19780, 19687..19770, 19856..19915, 19856..19915, 19928..19984 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |

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|---|---|---|---|
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 20877 | End | 21982 |
| GI | none | Score | 76 |
| Exons | 20877..21104, 20893..21051, 20919..21095, 21938..21982 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 20880 | End | 24533 |
| GI | none | Score | 110 |
| Exons | 20880..21098, 20919..21110, 21507..21590, 21510..21587, 21936..21998, 21938..21991, 21995..22294, 21996..22247, 22280..22321, 22281..22331, 22391..22612, 22530..22613, 23591..23812, 23616..23813, 23909..24283, 23913..24278, 24359..24379, 24392..24532, 24393..24533 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 20886 | End | 21991 |
| GI | none | Score | 86 |
| Exons | 20886..21104, 20919..21104, 21513..21590, 21516..21587, 21938..21991 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 21030 | End | 22252 |
| GI | none | Score | 61 |
| Exons | 21030..21098, 21048..21095, 21499..21588, 21510..21587, 21936..22250, 21938..22252 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 22056 | End | 24541 |
| GI | none | Score | 148 |
| Exons | 22056..22244, 22073..22255, 22280..22321, 22281..22361, 22394..22612, 22400..22612, 23591..23812, 23607..23813, 23909..24283, 23913..24278, 24353..24379, 24392..24541, 24393..24491 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 22056 | End | 24019 |
| GI | none | Score | 136 |
| Exons | 22056..22250, 22073..22255, 22254..22325, 22280..22327, 22391..22609, 22400..22612, 22536..22613, 23591..23812, 23607..23813, 23909..23965, 23966..24019 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o4.tw | Method | TBLASTX:Wheat |
| Start | 22280 | End | 22613 |
| GI | none | Score | 54 |
| Exons | 22280..22321, 22281..22322, 22400..22612, 22409..22606, 22536..22613 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 23643 | End | 24124 |
| GI | none | Score | 158 |
| Exons | 23643..23813, 23645..23812, 23909..24124, 23913..24119 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 24020 | End | 24283 |
| GI | none | Score | 189 |
| Exons | 24020..24283, 24048..24281 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o6.tm | Method | TBLASTX:Maize |
| Start | 24350 | End | 24541 |
| GI | none | Score | 105 |
| Exons | 24350..24541, 24360..24494 | | |

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| Seq. No. | 6996 | Seq. ID | OJ990501_28.9922.C2 |
| Gene No. | 14743 | Strand | - |
| Start | 25784 | End | 26026 |
| Name | OJ990501_28.9922.C2.o5.gs | Method | GENSCAN |
| Start | 25784 | End | 26026 |
| GI | none | Score | .46 |
| Exons | 25784..26026 | | |

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| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14744 | Strand | + |
| Start | 2030 | End | 2429 |
| Name | OJ990501_28.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 2030 | End | 2429 |
| GI | uC-osflcyp118h12a1 | Score | 769 |
| Exons | 2030..2429 | | |
| GI Descrip. | '2943742/dbj\|BAA25068\| 0.0e+00 (AB002266) XA1 [Oryza sativa]' | | |

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| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.gs | Method | GENSCAN |
| Start | 1075 | End | 4614 |
| GI | none | Score | .51 |

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|---|---|---|---|
| Exons | 1075..1287, 2388..2531, 2698..2848, 2955..3192, 3436..3499, 3836..4091, 4547..4614 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 2296 | End | 3934 |
| GI | none | Score | 68 |
| Exons | 2296..2331, 2397..2609, 2398..2529, 2698..2847, 2744..2848, 2744..2848, 2957..3193, 2958..3167, 3287..3439, 3287..3439, 3294..3446, 3458..3517, 3836..3934, 3843..3905 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.np | Method | AAT/NAP |
| Start | 2310 | End | 4641 |
| GI | 2181190 | Score | 826 |
| Exons | 2310..2609, 2698..2848, 2955..3192, 3286..3499, 3836..4014, 4576..4641 | | |
| GI Descrip. | (Y12531) serine/threonine kinase [Brassica oleracea] | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 2352 | End | 3340 |
| GI | none | Score | 64 |
| Exons | 2352..2426, 2361..2609, 2362..2613, 2698..2847, 2698..2847, 2699..2848, 2963..3193, 2964..3194, 2994..3212, 3263..3340, 3287..3340 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 2353 | End | 3905 |
| GI | none | Score | 105 |
| Exons | 2353..2529, 2397..2609, 2710..2844, 2738..2836, 2761..2847, 2951..3118, 2957..3244, 2958..3173, 3287..3457, 3293..3427, 3321..3464, 3357..3446, 3464..3502, 3828..3905, 3836..3898 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 2568 | End | 3128 |
| GI | none | Score | 107 |
| Exons | 2568..2609, 2698..2847, 2744..2848, 2957..3127, 2958..3128 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o2.tw | Method | TBLASTX:Wheat |
| Start | 3131 | End | 3463 |
| GI | none | Score | 101 |

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|---|---|---|---|
| Exons | 3131..3193, 3287..3439, 3287..3463, 3294..3440 | | |
| Seq. No. | 6997 | Seq. ID | OJ990501_28.9922.C3 |
| Gene No. | 14745 | Strand | - |
| Start | 1075 | End | 4641 |
| Name | OJ990501_28.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 3341 | End | 3464 |
| GI | none | Score | 154 |
| Exons | 3341..3457, 3342..3464 | | |
| Seq. No. | 6998 | Seq. ID | OJ990501_28.9922.C4 |
| Gene No. | 14746 | Strand | - |
| Start | 66 | End | 671 |
| Name | OJ990501_28.9922.C4.o1.gs | Method | GENSCAN |
| Start | 66 | End | 671 |
| GI | none | Score | .56 |
| Exons | 66..671 | | |
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14747 | Strand | + |
| Start | 11933 | End | 15415 |
| Name | OJ990501_28.9922.C5.o3.gs | Method | GENSCAN |
| Start | 11933 | End | 15415 |
| GI | none | Score | .68 |
| Exons | 11933..12022, 14674..14795, 14903..15101, 15239..15415 | | |
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14748 | Strand | + |
| Start | 17892 | End | 19073 |
| Name | OJ990501_28.9922.C5.o4.gs | Method | GENSCAN |
| Start | 17892 | End | 19073 |
| GI | none | Score | .81 |
| Exons | 17892..17940, 18796..19073 | | |
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14749 | Strand | + |
| Start | 21312 | End | 22125 |
| Name | OJ990501_28.9922.C5.o5.gs | Method | GENSCAN |
| Start | 21312 | End | 22125 |
| GI | none | Score | .49 |
| Exons | 21312..21494, 21925..22125 | | |
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14750 | Strand | - |
| Start | 6761 | End | 7905 |
| Name | OJ990501_28.9922.C5.o2.gs | Method | GENSCAN |
| Start | 6761 | End | 7905 |
| GI | none | Score | .9 |
| Exons | 6761..6821, 7640..7905 | | |
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o1.np | Method | AAT/NAP |
| Start | 21334 | End | 28600 |
| GI | 5257279 | Score | 6728 |
| Exons | 21334..21541, 23035..23633, 23748..23910, 24127..26844, | | |

27470..27706, 28055..28600
GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o6.tw | Method | TBLASTX:Wheat |
| Start | 22671 | End | 23027 |
| GI | none | Score | 104 |
| Exons | 22671..23027, 22780..23016 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 22863 | End | 23449 |
| GI | none | Score | 90 |
| Exons | 22863..23030, 22864..23028, 23041..23292, 23042..23293, 23151..23297, 23152..23352, 23286..23420, 23290..23448, 23294..23446, 23312..23449 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 23038 | End | 23616 |
| GI | none | Score | 301 |
| Exons | 23038..23616, 23042..23575 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 23500 | End | 23791 |
| GI | none | Score | 241 |
| Exons | 23500..23790, 23504..23791 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 23593 | End | 23839 |
| GI | none | Score | 118 |
| Exons | 23593..23838, 23594..23839 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 23647 | End | 24127 |
| GI | none | Score | 308 |
| Exons | 23647..24126, 23651..24127 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |

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|---|---|---|---|
| Name | OJ990501_28.9922.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 24127 | End | 24630 |
| GI | none | Score | 294 |
| Exons | 24127..24630, 24128..24595 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 24319 | End | 24760 |
| GI | none | Score | 205 |
| Exons | 24319..24759, 24332..24760 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 24379 | End | 24624 |
| GI | none | Score | 204 |
| Exons | 24379..24624 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 24631 | End | 24933 |
| GI | none | Score | 248 |
| Exons | 24631..24933, 24647..24913, 24697..24927 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 24646 | End | 25041 |
| GI | none | Score | 226 |
| Exons | 24646..25005, 24647..25003, 24862..25011, 25009..25041, 25010..25039, 25012..25041 | | |

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| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 24764 | End | 24928 |
| GI | none | Score | 136 |
| Exons | 24764..24928, 24766..24927 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 24928 | End | 25398 |
| GI | none | Score | 69 |
| Exons | 24928..25398, 25147..25323 | | |

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| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |

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|---|---|---|---|
| Name | OJ990501_28.9922.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 24982 | End | 25464 |
| GI | none | Score | 95 |
| Exons | 24982..25464, 24986..25129, 24991..25344, 25157..25360 | | |

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| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 25399 | End | 25561 |
| GI | none | Score | 149 |
| Exons | 25399..25560, 25400..25561 | | |

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|---|---|---|---|
| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o7.tw | Method | TBLASTX:Wheat |
| Start | 25636 | End | 26014 |
| GI | none | Score | 90 |
| Exons | 25636..25758, 25637..25747, 25642..25776, 25792..26013, 25846..25926, 25892..26014 | | |

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| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 25694 | End | 26019 |
| GI | none | Score | 70 |
| Exons | 25694..25828, 25696..25983, 25696..26019 | | |

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| Seq. No. | 6999 | Seq. ID | OJ990501_28.9922.C5 |
| Gene No. | 14751 | Strand | - |
| Start | 21334 | End | 28600 |
| Name | OJ990501_28.9922.C5.o8.tw | Method | TBLASTX:Wheat |
| Start | 26566 | End | 26952 |
| GI | none | Score | 81 |
| Exons | 26566..26712, 26576..26779, 26737..26952, 26747..26929 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14752 | Strand | + |
| Start | 1165 | End | 1461 |
| Name | OJ990501_28.9922.C6.o1.gs | Method | GENSCAN |
| Start | 1165 | End | 1461 |
| GI | none | Score | .77 |
| Exons | 1165..1461 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14753 | Strand | - |
| Start | 2763 | End | 9737 |
| Name | OJ990501_28.9922.C6.o1.gp | Method | AAT/GAP |
| Start | 2675 | End | 2976 |
| GI | LIB3432-058-P1-K1-E12 | Score | 328 |
| Exons | 2675..2976 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 8.0e-31 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |

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|---|---|---|---|
| Gene No. | 14753 | Strand | - |
| Start | 2763 | End | 9737 |
| Name | OJ990501_28.9922.C6.o2.gs | Method | GENSCAN |
| Start | 2763 | End | 9737 |
| GI | none | Score | .81 |
| Exons | 2763..2958, 3723..3766, 6004..6249, 6675..6941, 7613..7825, 9156..9737 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14753 | Strand | - |
| Start | 2763 | End | 9737 |
| Name | OJ990501_28.9922.C6.o1.np | Method | AAT/NAP |
| Start | 5926 | End | 9647 |
| GI | 6957720 | Score | 1012 |
| Exons | 5926..6249, 6675..6941, 7613..7825, 9156..9647 | | |
| GI Descrip. | (AC021640) putative mannose-6-phosphate isomerase [Arabidopsis thaliana] | | |

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| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14754 | Strand | - |
| Start | 11003 | End | 11944 |
| Name | OJ990501_28.9922.C6.o3.gs | Method | GENSCAN |
| Start | 11003 | End | 11944 |
| GI | none | Score | .84 |
| Exons | 11003..11236, 11840..11944 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14755 | Strand | - |
| Start | 13035 | End | 15107 |
| Name | OJ990501_28.9922.C6.o4.gs | Method | GENSCAN |
| Start | 13035 | End | 15107 |
| GI | none | Score | .69 |
| Exons | 13035..13342, 15008..15107 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14756 | Strand | - |
| Start | 15029 | End | 15300 |
| Name | OJ990501_28.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 5935 | End | 9584 |
| GI | none | Score | 41 |
| Exons | 5935..6015, 5936..5962, 6077..6256, 6082..6252, 6655..6942, 6673..6933, 6675..6944, 7610..7840, 7611..7814, 9156..9236, 9172..9237, 9291..9380, 9295..9384, 9441..9491, 9516..9584 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14756 | Strand | - |
| Start | 15029 | End | 15300 |
| Name | OJ990501_28.9922.C6.o2.tc | Method | TBLASTX:Cress |
| Start | 5938 | End | 6207 |
| GI | none | Score | 43 |
| Exons | 5938..5973, 5986..6036, 6005..6037, 6055..6207, 6056..6193 | | |

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|---|---|---|---|
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14756 | Strand | - |
| Start | 15029 | End | 15300 |
| Name | OJ990501_28.9922.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 6678 | End | 6945 |

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|---|---|---|---|
| GI | none | Score | 106 |
| Exons | 6678..6944, 6687..6881, 6688..6930, 6808..6945 | | |
| | | | |
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14756 | Strand | - |
| Start | 15029 | End | 15300 |
| Name | OJ990501_28.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 6764 | End | 9240 |
| GI | none | Score | 126 |
| Exons | 6764..6934, 6764..6880, 6765..6944, 6766..6939, 7610..7840, 7614..7814, 9168..9239, 9169..9240 | | |
| | | | |
| Seq. No. | 7000 | Seq. ID | OJ990501_28.9922.C6 |
| Gene No. | 14756 | Strand | - |
| Start | 15029 | End | 15300 |
| Name | OJ990501_28.9922.C6.o2.gp | Method | AAT/GAP |
| Start | 15029 | End | 15300 |
| GI | 6726_1.R1084 | Score | 506 |
| Exons | 15029..15300 | | |
| GI Descrip. | '3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis thaliana]' | | |
| | | | |
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14757 | Strand | + |
| Start | 8115 | End | 8622 |
| Name | OJ990501_28.9922.C7.o2.gs | Method | GENSCAN |
| Start | 8115 | End | 8622 |
| GI | none | Score | .73 |
| Exons | 8115..8177, 8485..8622 | | |
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| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14758 | Strand | + |
| Start | 10443 | End | 10646 |
| Name | OJ990501_28.9922.C7.o4.np | Method | AAT/NAP |
| Start | 10443 | End | 10646 |
| GI | 1168696 | Score | 110 |
| Exons | 10443..10646 | | |
| GI Descrip. | ALLERGEN BET V 3 (BET V III) gi\|629480\|pir\|\|S45011 allergen Bet v III - European white birch gi\|1076247\|pir\|\|S46233 allergen - European white birch gi\|488605\|emb\|CAA55854\| (X79267) allergen [Betula pendula] | | |
| | | | |
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o3.np | Method | AAT/NAP |
| Start | 1 | End | 10503 |
| GI | 5734709 | Score | 30 |
| Exons | 1..21, 4167..4195, 4856..5037, 5321..5446, 10420..10503 | | |
| GI Descrip. | (AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana] | | |
| | | | |
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o1.np | Method | AAT/NAP |
| Start | 317 | End | 5115 |

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|---|---|---|---|
| GI | 6522538 | Score | 521 |
| Exons | 317..534, 653..733, 1080..1196, 1300..1401, 2193..2264, 4189..4340, 4992..5115 | | |
| GI Descrip. | (AL132955) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 440 | End | 4428 |
| GI | none | Score | 148 |
| Exons | 440..532, 442..531, 641..679, 642..680, 664..732, 669..731, 1048..1104, 1077..1199, 1083..1199, 1339..1437, 1339..1404, 2184..2270, 2185..2265, 2192..2317, 4189..4281, 4190..4261, 4314..4415, 4399..4428 | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 442 | End | 1202 |
| GI | 6726_1.R1084 | Score | 508 |
| Exons | 442..531, 653..733, 1080..1202 | | |
| GI Descrip. | '3461820 6.0e-22 (AC004138) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o1.gs | Method | GENSCAN |
| Start | 442 | End | 7490 |
| GI | none | Score | .67 |
| Exons | 442..531, 653..733, 1080..1212, 1337..1401, 2193..2264, 4189..4451, 4948..5060, 5300..5471, 5795..5822, 6802..6974, 7394..7490 | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 1339 | End | 4441 |
| GI | none | Score | 90 |
| Exons | 1339..1404, 1340..1402, 1342..1437, 2167..2235, 2180..2266, 2184..2270, 4189..4281, 4193..4261, 4357..4422, 4393..4440, 4394..4441 | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o2.gp | Method | AAT/GAP |
| Start | 1375 | End | 5197 |
| GI | 42838_1.R1084 | Score | 1218 |
| Exons | 1375..1401, 2193..2264, 4189..4484, 4948..5197 | | |
| GI Descrip. | '3461820 3.0e-25 (AC004138) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |

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|---|---|---|---|
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o3.gp | Method | AAT/GAP |
| Start | 6627 | End | 7553 |
| GI | 15977_1.R1084 | Score | 998 |
| Exons | 6627..6974, 7211..7269, 7394..7553 | | |
| GI Descrip. | '3821780/emb\|AJ009303.1\|XLAJ9303 7.0e-10 Xenopus laevis cDNA clone 27A6-1' | | |

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| Seq. No. | 7001 | Seq. ID | OJ990501_28.9922.C7 |
| Gene No. | 14759 | Strand | - |
| Start | 1 | End | 10503 |
| Name | OJ990501_28.9922.C7.o4.gp | Method | AAT/GAP |
| Start | 7519 | End | 8005 |
| GI | none | Score | 928 |
| Exons | 7519..8005 | | |

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| Seq. No. | 7002 | Seq. ID | OJ990501_28.9922.C8 |
| Gene No. | 14760 | Strand | + |
| Start | 1972 | End | 2231 |
| Name | OJ990501_28.9922.C8.o1.gp | Method | AAT/GAP |
| Start | 1972 | End | 2231 |
| GI | LIB3431-010-P1-N1-F11 | Score | 453 |
| Exons | 1972..2231 | | |
| GI Descrip. | '287403/dbj\|D10838\|RICSBE1 1.0e-111 Rice gene for starch branching enzyme' | | |

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| Seq. No. | 7002 | Seq. ID | OJ990501_28.9922.C8 |
| Gene No. | 14761 | Strand | - |
| Start | 771 | End | 3251 |
| Name | OJ990501_28.9922.C8.o1.gs | Method | GENSCAN |
| Start | 771 | End | 3251 |
| GI | none | Score | .58 |
| Exons | 771..820, 956..1136, 1331..1356, 1702..1837, 2358..2432, 2786..2974, 3207..3251 | | |

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|---|---|---|---|
| Seq. No. | 7003 | Seq. ID | OJ990501_28.9922.C9 |
| Gene No. | 14762 | Strand | + |
| Start | 52 | End | 325 |
| Name | OJ990501_28.9922.C9.o1.gs | Method | GENSCAN |
| Start | 52 | End | 325 |
| GI | none | Score | .57 |
| Exons | 52..158, 242..325 | | |

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|---|---|---|---|
| Seq. No. | 7003 | Seq. ID | OJ990501_28.9922.C9 |
| Gene No. | 14763 | Strand | + |
| Start | 14045 | End | 14639 |
| Name | OJ990501_28.9922.C9.o1.np | Method | AAT/NAP |
| Start | 14045 | End | 14639 |
| GI | 3063699 | Score | 131 |
| Exons | 14045..14639 | | |
| GI Descrip. | (AL022537) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7003 | Seq. ID | OJ990501_28.9922.C9 |
| Gene No. | 14764 | Strand | - |
| Start | 2715 | End | 3091 |
| Name | OJ990501_28.9922.C9.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 2715 | End | 3091 |
| GI | 59410_1.R1084 | Score | 656 |
| Exons | 2715..3091 | | |
| GI Descrip. | '2499945/sp\|Q42586\|PYR5_ARATH 3.0e-51 URIDINE 5''-MONOPHOSPHATE SYNTHASE (UMP SYNTHASE) [INCLUDES: OROTATE PHOSPHORIBOSYLTRANSFERASE (OPRTASE); OROTIDINE 5''-PHOSPHATE DECARBOXYLASE (OMPDECASE)] >gi_1076363_pir__S46440 orotate phosphoribosyltransferase (EC 2.4.2.10) / orotidine-5''-phosphate decarboxylase (EC 4.1.1.23) - Arabidopsis thaliana >gi_443818_emb_CAA50686_ (X71842) pyrE-F [Ara' | | |

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|---|---|---|---|
| Seq. No. | 7004 | Seq. ID | OJ990501_28.9922.C10 |
| Gene No. | 14765 | Strand | - |
| Start | 53 | End | 381 |
| Name | OJ990501_28.9922.C10.o1.gs | Method | GENSCAN |
| Start | 53 | End | 381 |
| GI | none | Score | .47 |
| Exons | 53..174, 267..381 | | |

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|---|---|---|---|
| Seq. No. | 7004 | Seq. ID | OJ990501_28.9922.C10 |
| Gene No. | 14766 | Strand | - |
| Start | 1067 | End | 2077 |
| Name | OJ990501_28.9922.C10.o1.np | Method | AAT/NAP |
| Start | 1067 | End | 2077 |
| GI | 4680183 | Score | 188 |
| Exons | 1067..1156, 1764..1834, 1972..2077 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7005 | Seq. ID | OJ990501_28.9922.C11 |
| Gene No. | 14767 | Strand | + |
| Start | 103 | End | 2875 |
| Name | OJ990501_28.9922.C11.o1.gs | Method | GENSCAN |
| Start | 103 | End | 2875 |
| GI | none | Score | .85 |
| Exons | 103..150, 2581..2650, 2736..2875 | | |

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|---|---|---|---|
| Seq. No. | 7006 | Seq. ID | OJ990501_28.9922.C12 |
| Gene No. | 14768 | Strand | + |
| Start | 8177 | End | 8733 |
| Name | OJ990501_28.9922.C12.o1.gp | Method | AAT/GAP |
| Start | 8177 | End | 8733 |
| GI | none | Score | 666 |
| Exons | 8177..8733 | | |

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|---|---|---|---|
| Seq. No. | 7006 | Seq. ID | OJ990501_28.9922.C12 |
| Gene No. | 14769 | Strand | - |
| Start | 869 | End | 7107 |
| Name | OJ990501_28.9922.C12.o1.np | Method | AAT/NAP |
| Start | 869 | End | 7107 |
| GI | 4185148 | Score | 212 |
| Exons | 869..888, 2693..3233, 6368..6397, 7055..7107 | | |
| GI Descrip. | (AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7006 | Seq. ID | OJ990501_28.9922.C12 |
| Gene No. | 14769 | Strand | - |

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|---|---|---|---|
| Start | 869 | End | 7107 |
| Name | OJ990501_28.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 2703 | End | 3144 |
| GI | none | Score | 68 |
| Exons | 2703..2780, 2853..3143, 2962..3144 | | |

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|---|---|---|---|
| Seq. No. | 7006 | Seq. ID | OJ990501_28.9922.C12 |
| Gene No. | 14769 | Strand | - |
| Start | 869 | End | 7107 |
| Name | OJ990501_28.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 2790 | End | 3332 |
| GI | none | Score | 87 |
| Exons | 2790..3332, 2899..3231 | | |

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|---|---|---|---|
| Seq. No. | 7007 | Seq. ID | OJ990501_28.9922.C13 |
| Gene No. | 14770 | Strand | - |
| Start | 1 | End | 476 |
| Name | OJ990501_28.9922.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 476 |
| GI | 2498930 | Score | 682 |
| Exons | 1..476 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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|---|---|---|---|
| Seq. No. | 7007 | Seq. ID | OJ990501_28.9922.C13 |
| Gene No. | 14770 | Strand | - |
| Start | 1 | End | 476 |
| Name | OJ990501_28.9922.C13.o1.gs | Method | GENSCAN |
| Start | 25 | End | 375 |
| GI | none | Score | .53 |
| Exons | 25..375 | | |

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|---|---|---|---|
| Seq. No. | 7008 | Seq. ID | OJ990421_23.9923.C1 |
| Gene No. | 14771 | Strand | - |
| Start | 1780 | End | 2698 |
| Name | OJ990421_23.9923.C1.o1.gs | Method | GENSCAN |
| Start | 1780 | End | 2698 |
| GI | none | Score | .64 |
| Exons | 1780..1969, 2148..2373, 2540..2698 | | |

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|---|---|---|---|
| Seq. No. | 7009 | Seq. ID | OJ990421_23.9923.C2 |
| Gene No. | 14772 | Strand | + |
| Start | 133 | End | 215 |
| Name | OJ990421_23.9923.C2.o1.gs | Method | GENSCAN |
| Start | 133 | End | 215 |
| GI | none | Score | .97 |
| Exons | 133..215 | | |

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|---|---|---|---|
| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14773 | Strand | + |
| Start | 142 | End | 551 |
| Name | OJ990421_23.9923.C3.o1.gs | Method | GENSCAN |
| Start | 142 | End | 551 |
| GI | none | Score | .68 |
| Exons | 142..187, 328..551 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |

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|---|---|---|---|
| Gene No. | 14774 | Strand | + |
| Start | 905 | End | 2659 |
| Name | OJ990421_23.9923.C3.o2.gs | Method | GENSCAN |
| Start | 905 | End | 2659 |
| GI | none | Score | .68 |
| Exons | 905..916, 2197..2312, 2416..2659 | | |

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|---|---|---|---|
| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14775 | Strand | + |
| Start | 3448 | End | 3898 |
| Name | OJ990421_23.9923.C3.o1.gp | Method | AAT/GAP |
| Start | 3448 | End | 3898 |
| GI | none | Score | 845 |
| Exons | 3448..3898 | | |

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|---|---|---|---|
| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o3.tm | Method | TBLASTX:Maize |
| Start | 3567 | End | 4932 |
| GI | none | Score | 39 |
| Exons | 3567..3605, 3725..3754, 3729..3755, 3760..3804, 3761..3805, 3810..3839, 3812..3838, 3866..3895, 4003..4152, 4005..4127, 4069..4158, 4149..4211, 4202..4243, 4279..4482, 4315..4482, 4316..4483, 4317..4490, 4875..4919, 4876..4932 | | |

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|---|---|---|---|
| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 4940 | End | 5546 |
| GI | none | Score | 326 |
| Exons | 4940..5260, 4942..5262, 4942..5253, 4986..5261, 5178..5387, 5251..5304, 5274..5492, 5314..5496, 5492..5542, 5496..5546 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 4957 | End | 5504 |
| GI | none | Score | 78 |
| Exons | 4957..5031, 4989..5030, 5032..5181, 5032..5091, 5034..5198, 5196..5246, 5217..5432, 5245..5445, 5427..5504, 5431..5502 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o2.gp | Method | AAT/GAP |
| Start | 4975 | End | 5813 |
| GI | none | Score | 1654 |
| Exons | 4975..5813 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 5325 | End | 6048 |

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|---|---|---|---|
| GI | none | Score | 56 |
| Exons | 5325..5405, 5344..5400, 5427..5537, 5431..5562, 5575..5700, 5705..5827, 5713..5820, 5721..5837, 5722..5844, 5943..6026, 5944..6048, 5945..6043 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 5542 | End | 6048 |
| GI | none | Score | 70 |
| Exons | 5542..5631, 5632..5697, 5691..5837, 5701..5844, 5943..5984, 5944..6048, 5945..6043, 5962..6045 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 5547 | End | 6036 |
| GI | none | Score | 362 |
| Exons | 5547..5846, 5548..5865, 5930..6034, 5935..6033, 5959..6036, 5961..6035 | | |

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| Seq. No. | 7010 | Seq. ID | OJ990421_23.9923.C3 |
| Gene No. | 14776 | Strand | - |
| Start | 4975 | End | 6048 |
| Name | OJ990421_23.9923.C3.o2.ts | Method | TBLASTX:Soybean |
| Start | 5709 | End | 6048 |
| GI | none | Score | 78 |
| Exons | 5709..5837, 5715..5837, 5716..5841, 5943..6023, 5944..6048, 5945..6043, 5962..6045 | | |

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|---|---|---|---|
| Seq. No. | 7011 | Seq. ID | OJ990421_23.9923.C4 |
| Gene No. | 14777 | Strand | + |
| Start | 2745 | End | 4811 |
| Name | OJ990421_23.9923.C4.o1.gs | Method | GENSCAN |
| Start | 2745 | End | 4811 |
| GI | none | Score | .69 |
| Exons | 2745..2996, 3421..3578, 4580..4811 | | |

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|---|---|---|---|
| Seq. No. | 7011 | Seq. ID | OJ990421_23.9923.C4 |
| Gene No. | 14778 | Strand | + |
| Start | 5926 | End | 7104 |
| Name | OJ990421_23.9923.C4.o2.gs | Method | GENSCAN |
| Start | 5926 | End | 7104 |
| GI | none | Score | .79 |
| Exons | 5926..5979, 6961..7104 | | |

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|---|---|---|---|
| Seq. No. | 7011 | Seq. ID | OJ990421_23.9923.C4 |
| Gene No. | 14779 | Strand | - |
| Start | 8166 | End | 8277 |
| Name | OJ990421_23.9923.C4.o3.gs | Method | GENSCAN |
| Start | 8166 | End | 8277 |
| GI | none | Score | .91 |
| Exons | 8166..8277 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |

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|---|---|---|---|
| Gene No. | 14780 | Strand | + |
| Start | 187 | End | 278 |
| Name | OJ990421_23.9923.C5.o1.gs | Method | GENSCAN |
| Start | 187 | End | 278 |
| GI | none | Score | .96 |
| Exons | 187..278 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14781 | Strand | + |
| Start | 3913 | End | 7055 |
| Name | OJ990421_23.9923.C5.o1.np | Method | AAT/NAP |
| Start | 3847 | End | 7052 |
| GI | 283004 | Score | 1325 |
| Exons | 3847..4235, 4956..6330, 6400..6537, 6669..6715, 6782..6935, 6997..7052 | | |
| GI Descrip. | DNA-binding protein Gt-2 - rice gi\|20249\|emb\|CAA48328\| (X68261) gt-2 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14781 | Strand | + |
| Start | 3913 | End | 7055 |
| Name | OJ990421_23.9923.C5.o1.gp | Method | AAT/GAP |
| Start | 3898 | End | 5260 |
| GI | 43338_1.R1084 | Score | 1207 |
| Exons | 3898..4235, 4956..5260 | | |
| GI Descrip. | '283004/pir\|\|S28030 3.0e-42 DNA-binding protein Gt-2 - rice >gi_20249_emb_CAA48328_ (X68261) gt-2 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14781 | Strand | + |
| Start | 3913 | End | 7055 |
| Name | OJ990421_23.9923.C5.o2.gs | Method | GENSCAN |
| Start | 3913 | End | 7055 |
| GI | none | Score | .44 |
| Exons | 3913..4235, 4956..5385, 5458..6537, 6672..7055 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 4125 | End | 6252 |
| GI | none | Score | 166 |
| Exons | 4125..4244, 4126..4236, 4126..4233, 4926..5102, 4930..5103, 4972..5061, 5437..5661, 5980..6198, 5980..6252, 5982..6086, 6189..6227 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 4126 | End | 6252 |
| GI | none | Score | 95 |
| Exons | 4126..4233, 4972..5061, 5980..6252, 5982..6083, 6008..6100, 6189..6227 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |

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|---|---|---|---|
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 4126 | End | 6252 |
| GI | none | Score | 108 |
| Exons | 4126..4233, 4972..5061, 5979..6086, 5980..6252, 6192..6227 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 5421 | End | 5663 |
| GI | none | Score | 259 |
| Exons | 5421..5510, 5422..5655, 5622..5663 | | |

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|---|---|---|---|
| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 5545 | End | 5666 |
| GI | none | Score | 182 |
| Exons | 5545..5664, 5575..5664, 5616..5666 | | |

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| Seq. No. | 7012 | Seq. ID | OJ990421_23.9923.C5 |
| Gene No. | 14782 | Strand | - |
| Start | 7016 | End | 7660 |
| Name | OJ990421_23.9923.C5.o2.gp | Method | AAT/GAP |
| Start | 7016 | End | 7660 |
| GI | none | Score | 1249 |
| Exons | 7016..7660 | | |

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|---|---|---|---|
| Seq. No. | 7013 | Seq. ID | OJ990421_23.9923.C7 |
| Gene No. | 14783 | Strand | - |
| Start | 708 | End | 1110 |
| Name | OJ990421_23.9923.C7.o1.gs | Method | GENSCAN |
| Start | 708 | End | 1110 |
| GI | none | Score | .49 |
| Exons | 708..740, 1036..1110 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14784 | Strand | + |
| Start | 708 | End | 1372 |
| Name | OJ990421_23.9923.C8.o1.gs | Method | GENSCAN |
| Start | 708 | End | 1372 |
| GI | none | Score | .73 |
| Exons | 708..804, 896..1037, 1270..1372 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14785 | Strand | - |
| Start | 1760 | End | 2086 |
| Name | OJ990421_23.9923.C8.o2.gs | Method | GENSCAN |
| Start | 1760 | End | 2086 |
| GI | none | Score | .65 |
| Exons | 1760..1784, 1962..2086 | | |

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| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14786 | Strand | - |
| Start | 2934 | End | 7073 |

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|---|---|---|---|
| Name | OJ990421_23.9923.C8.o3.gs | Method | GENSCAN |
| Start | 2934 | End | 6953 |
| GI | none | Score | .5 |
| Exons | 2934..6953 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14786 | Strand | - |
| Start | 2934 | End | 7073 |
| Name | OJ990421_23.9923.C8.o1.np | Method | AAT/NAP |
| Start | 2937 | End | 7073 |
| GI | 2583130 | Score | 1801 |
| Exons | 2937..7073 | | |
| GI Descrip. | (AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 4351 | End | 4724 |
| GI | none | Score | 71 |
| Exons | 4351..4563, 4353..4715, 4614..4724 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o3.tw | Method | TBLASTX:Wheat |
| Start | 4396 | End | 4785 |
| GI | none | Score | 148 |
| Exons | 4396..4785, 4398..4784 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 4872 | End | 5504 |
| GI | none | Score | 63 |
| Exons | 4872..5003, 5037..5321, 5092..5304, 5310..5504 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 5017 | End | 5396 |
| GI | none | Score | 155 |
| Exons | 5017..5325, 5034..5351, 5346..5396, 5356..5394 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o4.tw | Method | TBLASTX:Wheat |
| Start | 5397 | End | 5660 |
| GI | none | Score | 160 |
| Exons | 5397..5660, 5407..5604 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |

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|---|---|---|---|
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o5.tw | Method | TBLASTX:Wheat |
| Start | 6582 | End | 6962 |
| GI | none | Score | 77 |
| Exons | 6582..6962, 6619..6678 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 8162 | End | 9580 |
| GI | none | Score | 194 |
| Exons | 8162..8455, 8214..8417, 8462..8686, 8466..8669, 8708..8869, 8721..8855, 8849..8914, 8978..9106, 9107..9250, 9248..9406, 9458..9580 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o4.gs | Method | GENSCAN |
| Start | 8204 | End | 9754 |
| GI | none | Score | .99 |
| Exons | 8204..9754 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o2.np | Method | AAT/NAP |
| Start | 8207 | End | 9754 |
| GI | 5042429 | Score | 1230 |
| Exons | 8207..9754 | | |
| GI Descrip. | (AC006193) Putative cytochrome P450 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 8216 | End | 9379 |
| GI | none | Score | 289 |
| Exons | 8216..8296, 8249..8689, 8253..8669, 8714..8878, 8721..8858, 8873..8917, 9002..9100, 9260..9379 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 8216 | End | 9553 |
| GI | none | Score | 76 |
| Exons | 8216..8290, 8309..8449, 8310..8411, 8450..8701, 8466..8669, 8705..8878, 8724..8855, 8882..8914, 9116..9232, 9197..9478, 9383..9553 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 8219 | End | 8576 |

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|---|---|---|---|
| GI | none | Score | 408 |
| Exons | 8219..8575, 8220..8576 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o4.tm | Method | TBLASTX:Maize |
| Start | 9113 | End | 9586 |
| GI | none | Score | 90 |
| Exons | 9113..9259, 9177..9242, 9383..9586, 9383..9586 | | |

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|---|---|---|---|
| Seq. No. | 7014 | Seq. ID | OJ990421_23.9923.C8 |
| Gene No. | 14787 | Strand | - |
| Start | 8204 | End | 9754 |
| Name | OJ990421_23.9923.C8.o6.tw | Method | TBLASTX:Wheat |
| Start | 9254 | End | 9595 |
| GI | none | Score | 128 |
| Exons | 9254..9595, 9254..9394, 9437..9517, 9524..9580 | | |

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|---|---|---|---|
| Seq. No. | 7015 | Seq. ID | OJ990421_23.9923.C9 |
| Gene No. | 14788 | Strand | - |
| Start | 1172 | End | 1263 |
| Name | OJ990421_23.9923.C9.o1.gs | Method | GENSCAN |
| Start | 1172 | End | 1263 |
| GI | none | Score | .63 |
| Exons | 1172..1263 | | |

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|---|---|---|---|
| Seq. No. | 7016 | Seq. ID | OJ990421_23.9923.C13 |
| Gene No. | 14789 | Strand | + |
| Start | 123 | End | 2770 |
| Name | OJ990421_23.9923.C13.o1.gs | Method | GENSCAN |
| Start | 123 | End | 2770 |
| GI | none | Score | .42 |
| Exons | 123..213, 2347..2770 | | |

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|---|---|---|---|
| Seq. No. | 7016 | Seq. ID | OJ990421_23.9923.C13 |
| Gene No. | 14790 | Strand | - |
| Start | 3187 | End | 4247 |
| Name | OJ990421_23.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 77 | End | 321 |
| GI | none | Score | 49 |
| Exons | 77..106, 101..244, 105..263, 105..263, 106..264, 268..321, 269..304 | | |

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|---|---|---|---|
| Seq. No. | 7016 | Seq. ID | OJ990421_23.9923.C13 |
| Gene No. | 14790 | Strand | - |
| Start | 3187 | End | 4247 |
| Name | OJ990421_23.9923.C13.o2.gs | Method | GENSCAN |
| Start | 3187 | End | 4247 |
| GI | none | Score | .57 |
| Exons | 3187..3289, 3381..3427, 3579..3876, 4059..4134, 4235..4247 | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14791 | Strand | + |
| Start | 1 | End | 102 |
| Name | OJ990421_23.9923.C14.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 102 |

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|---|---|---|---|
| GI | LIB3477-003-P1-K1-E9 | Score | 155 |
| Exons | 1..102 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14792 | Strand | + |
| Start | 2625 | End | 2705 |
| Name | OJ990421_23.9923.C14.o2.gp | Method | AAT/GAP |
| Start | 2625 | End | 2705 |
| GI | 38012_1.R1084 | Score | 99 |
| Exons | 2625..2705 | | |
| GI Descrip. | '4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14793 | Strand | + |
| Start | 3085 | End | 7405 |
| Name | OJ990421_23.9923.C14.o1.gs | Method | GENSCAN |
| Start | 3085 | End | 5419 |
| GI | none | Score | .98 |
| Exons | 3085..3978, 4763..5419 | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14793 | Strand | + |
| Start | 3085 | End | 7405 |
| Name | OJ990421_23.9923.C14.o1.np | Method | AAT/NAP |
| Start | 3312 | End | 7405 |
| GI | 3451074 | Score | 732 |
| Exons | 3312..3690, 3745..3978, 4763..5167, 6004..6058, 6142..6243, 7333..7405 | | |
| GI Descrip. | (AL031326) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14793 | Strand | + |
| Start | 3085 | End | 7405 |
| Name | OJ990421_23.9923.C14.o2.gs | Method | GENSCAN |
| Start | 6496 | End | 6669 |
| GI | none | Score | .81 |
| Exons | 6496..6669 | | |

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| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 3367 | End | 3927 |
| GI | none | Score | 156 |
| Exons | 3367..3474, 3375..3476, 3525..3614, 3535..3624, 3679..3843, 3705..3845, 3832..3927, 3840..3926 | | |

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|---|---|---|---|
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 3586 | End | 3917 |
| GI | none | Score | 60 |

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|---|---|---|---|
| Exons | 3586..3624, 3586..3627, 3679..3726, 3717..3800, 3718..3801, 3837..3872, 3841..3873, 3873..3914, 3873..3917 | | |
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 3679 | End | 4987 |
| GI | 5666695 | Score | 290 |
| Exons | 3679..3981, 3705..3971, 4757..4987, 4834..4986 | | |
| GI Descrip. | - | | |
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 4787 | End | 5167 |
| GI | none | Score | 100 |
| Exons | 4787..4882, 4889..5167 | | |
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o2.tc | Method | TBLASTX:Cress |
| Start | 4944 | End | 5408 |
| GI | none | Score | 223 |
| Exons | 4944..5099, 4946..5239, 4946..5104, 5068..5220, 5258..5311, 5391..5408 | | |
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 5068 | End | 5483 |
| GI | none | Score | 162 |
| Exons | 5068..5238, 5069..5239, 5246..5314, 5394..5483 | | |
| Seq. No. | 7017 | Seq. ID | OJ990421_23.9923.C14 |
| Gene No. | 14794 | Strand | - |
| Start | 7608 | End | 9459 |
| Name | OJ990421_23.9923.C14.o3.gs | Method | GENSCAN |
| Start | 7608 | End | 9459 |
| GI | none | Score | .62 |
| Exons | 7608..7753, 7864..7907, 8274..8365, 9104..9310, 9379..9459 | | |
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14795 | Strand | + |
| Start | 1061 | End | 3131 |
| Name | OJ990421_23.9923.C15.o1.gp | Method | AAT/GAP |
| Start | 1061 | End | 3131 |
| GI | 794_1.R1084 | Score | 1489 |
| Exons | 1061..1327, 1688..1776, 2305..2475, 2806..3131 | | |
| GI Descrip. | '2570497 1.0e-69 (AF022731) H protein subunit of glycine decarboxylase [Oryza sativa]' | | |
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14795 | Strand | + |

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|---|---|---|---|
| Start | 1061 | End | 3131 |
| Name | OJ990421_23.9923.C15.o1.gs | Method | GENSCAN |
| Start | 1106 | End | 2931 |
| GI | none | Score | .97 |
| Exons | 1106..1327, 1688..1776, 2305..2475, 2806..2931 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14795 | Strand | + |
| Start | 1061 | End | 3131 |
| Name | OJ990421_23.9923.C15.o1.np | Method | AAT/NAP |
| Start | 1219 | End | 2926 |
| GI | 2570497 | Score | 598 |
| Exons | 1219..1327, 1688..1776, 2305..2475, 2806..2926 | | |
| GI Descrip. | (AF022731) H protein subunit of glycine decarboxylase [Oryza sativa] | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14796 | Strand | + |
| Start | 3719 | End | 5140 |
| Name | OJ990421_23.9923.C15.o2.gs | Method | GENSCAN |
| Start | 3719 | End | 5140 |
| GI | none | Score | .64 |
| Exons | 3719..3788, 3850..3902, 4892..5140 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14797 | Strand | + |
| Start | 5729 | End | 6243 |
| Name | OJ990421_23.9923.C15.o2.gp | Method | AAT/GAP |
| Start | 5729 | End | 6243 |
| GI | none | Score | 1009 |
| Exons | 5729..6243 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14798 | Strand | + |
| Start | 6370 | End | 6526 |
| Name | OJ990421_23.9923.C15.o3.gp | Method | AAT/GAP |
| Start | 6370 | End | 6526 |
| GI | 2431480 | Score | 223 |
| Exons | 6370..6526 | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o2.ts | Method | TBLASTX:Soybean |
| Start | 1141 | End | 2965 |
| GI | none | Score | 89 |
| Exons | 1141..1341, 1181..1318, 1684..1776, 1686..1772, 2286..2477, 2296..2478, 2806..2925, 2808..2888, 2927..2965 | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o2.tm | Method | TBLASTX:Maize |
| Start | 1215 | End | 2932 |
| GI | none | Score | 74 |
| Exons | 1215..1325, 1218..1325, 1219..1326, 1219..1350, 1220..1327, 1686..1775, 1687..1776, 1687..1776, 1688..1777, 1688..1792, | | |

1695..1793, 2296..2484, 2302..2391, 2304..2474, 2805..2909, 2806..2931, 2873..2932

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o2.tc | Method | TBLASTX:Cress |
| Start | 1686 | End | 2925 |
| GI | none | Score | 115 |
| Exons | 1686..1766, 1687..1776, 2296..2478, 2301..2477, 2806..2925, 2811..2909 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o2.tw | Method | TBLASTX:Wheat |
| Start | 2779 | End | 2955 |
| GI | none | Score | 132 |
| Exons | 2779..2847, 2805..2906, 2805..2909, 2806..2955 | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o3.gs | Method | GENSCAN |
| Start | 5891 | End | 6502 |
| GI | none | Score | .97 |
| Exons | 5891..6502 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o2.np | Method | AAT/NAP |
| Start | 5908 | End | 6747 |
| GI | 4538968 | Score | 426 |
| Exons | 5908..6588, 6699..6747 | | |
| GI Descrip. | (AL049488) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 5954 | End | 6577 |
| GI | none | Score | 71 |
| Exons | 5954..6085, 6158..6292, 6183..6287, 6323..6529, 6515..6577 | | |

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| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 6119 | End | 6386 |
| GI | none | Score | 278 |
| Exons | 6119..6376, 6156..6386, 6213..6380 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 6156 | End | 6577 |
| GI | none | Score | 67 |
| Exons | 6156..6293, 6176..6577, 6333..6575 | | |

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|---|---|---|---|
| Seq. No. | 7018 | Seq. ID | OJ990421_23.9923.C15 |
| Gene No. | 14799 | Strand | - |
| Start | 5891 | End | 6747 |
| Name | OJ990421_23.9923.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 6341 | End | 6586 |
| GI | none | Score | 200 |
| Exons | 6341..6586, 6342..6584 | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14800 | Strand | + |
| Start | 639 | End | 3162 |
| Name | OJ990421_23.9923.C16.o1.gs | Method | GENSCAN |
| Start | 639 | End | 3162 |
| GI | none | Score | .43 |
| Exons | 639..1005, 2060..2270, 2497..2649, 3021..3162 | | |

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| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14801 | Strand | + |
| Start | 6130 | End | 6491 |
| Name | OJ990421_23.9923.C16.o3.gs | Method | GENSCAN |
| Start | 6130 | End | 6491 |
| GI | none | Score | .59 |
| Exons | 6130..6307, 6439..6491 | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14802 | Strand | + |
| Start | 8561 | End | 11997 |
| Name | OJ990421_23.9923.C16.o1.np | Method | AAT/NAP |
| Start | 8396 | End | 11997 |
| GI | 2288999 | Score | 1092 |
| Exons | 8396..8807, 8944..9020, 9502..9608, 9715..9796, 9872..9980, 10210..10256, 10362..10436, 10861..10977, 11301..11369, 11489..11581, 11903..11997 | | |
| GI Descrip. | (AC002335) putative electron transfer flavoprotein ubiquinone oxidoreductase [Arabidopsis thaliana] | | |

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| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14802 | Strand | + |
| Start | 8561 | End | 11997 |
| Name | OJ990421_23.9923.C16.o3.gp | Method | AAT/GAP |
| Start | 8556 | End | 9615 |
| GI | uC-osroM202028h10b1 | Score | 769 |
| Exons | 8556..8807, 8944..9020, 9502..9615 | | |
| GI Descrip. | '2288999 3.0e-28 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14802 | Strand | + |
| Start | 8561 | End | 11997 |
| Name | OJ990421_23.9923.C16.o4.gs | Method | GENSCAN |
| Start | 8561 | End | 11581 |
| GI | none | Score | .76 |
| Exons | 8561..8807, 8944..9020, 9692..9796, 9872..9984, 10193..10256, | | |

10362..10436, 10861..10977, 11301..11369, 11489..11581

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14802 | Strand | + |
| Start | 8561 | End | 11997 |
| Name | OJ990421_23.9923.C16.o4.gp | Method | AAT/GAP |
| Start | 9763 | End | 10436 |
| GI | 3768958 | Score | 413 |
| Exons | 9763..9796, 9872..9980, 10210..10256, 10362..10436 | | |
| GI Descrip. | 2288999 5.0e-28 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana] | | |

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| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14803 | Strand | - |
| Start | 662 | End | 919 |
| Name | OJ990421_23.9923.C16.o1.gp | Method | AAT/GAP |
| Start | 662 | End | 919 |
| GI | 701523 | Score | 454 |
| Exons | 662..919 | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14804 | Strand | - |
| Start | 6349 | End | 6518 |
| Name | OJ990421_23.9923.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 297 | End | 444 |
| GI | none | Score | 187 |
| Exons | 297..443, 298..444 | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14804 | Strand | - |
| Start | 6349 | End | 6518 |
| Name | OJ990421_23.9923.C16.o2.gp | Method | AAT/GAP |
| Start | 6349 | End | 6518 |
| GI | uC-osflcyp039h04b1 | Score | 297 |
| Exons | 6349..6518 | | |
| GI Descrip. | '1617274/emb\|CAA96522\| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]' | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14805 | Strand | |
| Start | 8651 | End | 11997 |
| Name | OJ990421_23.9923.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 8651 | End | 11997 |
| GI | none | Score | 176 |
| Exons | 8651..8812, 8681..8809, 8731..8811, 8888..9019, 8943..9020, 8944..9021, 9502..9606, 9504..9608, 9712..9795, 9713..9799, 9713..9799, 9714..9800, 9869..9982, 9870..9980, 9871..9981, 10197..10256, 10199..10273, 10199..10264, 10359..10439, 10359..10436, 10360..10440, 10361..10438, 10858..10938, 10859..11002, 10859..10975, 10860..10976, 10861..11007, 11298..11369, 11300..11368, 11465..11581, 11481..11576, 11482..11577, 11897..11929, 11909..11929, 11930..11992, 11932..11997, 11933..11995 | | |

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|---|---|---|---|
| Seq. No. | 7019 | Seq. ID | OJ990421_23.9923.C16 |
| Gene No. | 14805 | Strand | |
| Start | 8651 | End | 11997 |

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|---|---|---|---|
| Name | OJ990421_23.9923.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 10232 | End | 11967 |
| GI | none | Score | 43 |
| Exons | 10232..10267, 10233..10256, 10359..10439, 10361..10438, 10859..10978, 10860..10976, 10861..11007, 11298..11369, 11306..11368, 11465..11581, 11481..11579, 11482..11580, 11917..11967, 11918..11965 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14806 | Strand | + |
| Start | 1 | End | 2229 |
| Name | OJ990421_23.9923.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1501 |
| GI | 2288999 | Score | 661 |
| Exons | 1..156, 309..358, 469..535, 655..734, 1030..1158, 1266..1332, 1421..1501 | | |
| GI Descrip. | (AC002335) putative electron transfer flavoprotein ubiquinone oxidoreductase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14806 | Strand | + |
| Start | 1 | End | 2229 |
| Name | OJ990421_23.9923.C17.o1.gs | Method | GENSCAN |
| Start | 34 | End | 2229 |
| GI | none | Score | .73 |
| Exons | 34..156, 309..358, 469..535, 655..734, 1266..1332, 1421..1472, 1968..2063, 2141..2229 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14806 | Strand | + |
| Start | 1 | End | 2229 |
| Name | OJ990421_23.9923.C17.o1.gp | Method | AAT/GAP |
| Start | 1253 | End | 1708 |
| GI | 3768959 | Score | 575 |
| Exons | 1253..1332, 1421..1708 | | |
| GI Descrip. | 2288999 5.0e-16 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14807 | Strand | + |
| Start | 7716 | End | 8186 |
| Name | OJ990421_23.9923.C17.o4.gp | Method | AAT/GAP |
| Start | 7716 | End | 8186 |
| GI | 8547_1.R1084 | Score | 857 |
| Exons | 7716..8186 | | |
| GI Descrip. | '2288999 5.0e-16 (AC002335) electron transfer flavoprotein ubiquinone oxidoreductase isolog [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 67 | End | 1512 |
| GI | none | Score | 166 |
| Exons | 67..168, 67..171, 308..358, 309..359, 467..541, 475..534, 640..777, 652..741, 1001..1159, 1008..1157, 1021..1161, 1022..1162, 1267..1332, 1267..1332, 1281..1337, 1405..1503, | | |

1412..1504, 1418..1504, 1420..1512

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o1.tc | Method | TBLASTX:Cress |
| Start | 1022 | End | 1510 |
| GI | none | Score | 89 |
| Exons | 1022..1156, 1267..1332, 1405..1485, 1412..1510, 1412..1504 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o2.ts | Method | TBLASTX:Soybean |
| Start | 1282 | End | 1507 |
| GI | none | Score | 70 |
| Exons | 1282..1332, 1405..1503, 1412..1507 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o2.gp | Method | AAT/GAP |
| Start | 3519 | End | 3797 |
| GI | 3761197 | Score | 529 |
| Exons | 3519..3797 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o2.gs | Method | GENSCAN |
| Start | 3871 | End | 5153 |
| GI | none | Score | .51 |
| Exons | 3871..4746, 4789..4960, 5020..5153 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o2.np | Method | AAT/NAP |
| Start | 3916 | End | 4707 |
| GI | 5042435 | Score | 859 |
| Exons | 3916..4707 | | |
| GI Descrip. | (AC006193) Unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 4084 | End | 4653 |
| GI | none | Score | 89 |
| Exons | 4084..4194, 4085..4207, 4204..4344, 4205..4333, 4372..4653, 4382..4486, 4535..4648 | | |

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|---|---|---|---|
| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o3.gp | Method | AAT/GAP |
| Start | 4105 | End | 4781 |

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|---|---|---|---|
| GI | 10616_2.R1084 | Score | 1299 |
| Exons | 4105..4781 | | |
| GI Descrip. | '5042435/gb\|AAD38274.1\|AC006193_30 8.0e-68 (AC006193) Unknown protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7020 | Seq. ID | OJ990421_23.9923.C17 |
| Gene No. | 14808 | Strand | - |
| Start | 3871 | End | 5153 |
| Name | OJ990421_23.9923.C17.o2.tm | Method | TBLASTX:Maize |
| Start | 4435 | End | 4675 |
| GI | none | Score | 244 |
| Exons | 4435..4662, 4436..4675 | | |

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|---|---|---|---|
| Seq. No. | 7021 | Seq. ID | OJ990421_11.9923.C3 |
| Gene No. | 14809 | Strand | - |
| Start | 143 | End | 301 |
| Name | OJ990421_11.9923.C3.o1.gs | Method | GENSCAN |
| Start | 143 | End | 301 |
| GI | none | Score | .76 |
| Exons | 143..301 | | |

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|---|---|---|---|
| Seq. No. | 7022 | Seq. ID | OJ990421_11.9923.C5 |
| Gene No. | 14810 | Strand | + |
| Start | 253 | End | 435 |
| Name | OJ990421_11.9923.C5.o1.gs | Method | GENSCAN |
| Start | 253 | End | 435 |
| GI | none | Score | .66 |
| Exons | 253..435 | | |

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| Seq. No. | 7023 | Seq. ID | OJ990421_11.9923.C8 |
| Gene No. | 14811 | Strand | - |
| Start | 112 | End | 619 |
| Name | OJ990421_11.9923.C8.o1.gp | Method | AAT/GAP |
| Start | 112 | End | 619 |
| GI | LIB3434-038-P1-K1-F1 | Score | 758 |
| Exons | 112..619 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1712 |
| GI | 6822068 | Score | 1125 |
| Exons | 1..1712 | | |
| GI Descrip. | (AL132957) SCARECROW1 [Arabidopsis thaliana] | | |

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| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o1.gs | Method | GENSCAN |
| Start | 82 | End | 1577 |
| GI | none | Score | .73 |
| Exons | 82..1577 | | |

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| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |

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|---|---|---|---|
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 176 | End | 771 |
| GI | none | Score | 481 |
| Exons | 176..592, 178..603, 652..771, 653..754 | | |

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| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 178 | End | 1308 |
| GI | none | Score | 470 |
| Exons | 178..603, 179..592, 649..828, 653..754, 1156..1242, 1273..1308 | | |

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|---|---|---|---|
| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 178 | End | 340 |
| GI | none | Score | 215 |
| Exons | 178..339, 179..340 | | |

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| Seq. No. | 7024 | Seq. ID | OJ990421_11.9923.C10 |
| Gene No. | 14812 | Strand | - |
| Start | 1 | End | 1712 |
| Name | OJ990421_11.9923.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 340 | End | 853 |
| GI | none | Score | 494 |
| Exons | 340..828, 341..826, 818..853 | | |

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|---|---|---|---|
| Seq. No. | 7025 | Seq. ID | OJ990421_11.9923.C11 |
| Gene No. | 14813 | Strand | + |
| Start | 91 | End | 428 |
| Name | OJ990421_11.9923.C11.o1.gs | Method | GENSCAN |
| Start | 91 | End | 428 |
| GI | none | Score | .79 |
| Exons | 91..273, 346..428 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4305 |
| GI | 4678924 | Score | 264 |
| Exons | 1..23, 2014..2138, 2257..2446, 3101..3160, 4282..4305 | | |
| GI Descrip. | (AL049711) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o4.np | Method | AAT/NAP |
| Start | 1 | End | 17655 |
| GI | 5257279 | Score | 151 |
| Exons | 1..55, 17395..17655 | | |
| GI Descrip. | (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o2.np | Method | AAT/NAP |
| Start | 1 | End | 9942 |
| GI | 2494119 | Score | 438 |
| Exons | 1..34, 7530..7657, 7845..7988, 8076..8288, 8471..8672, 9815..9942 | | |
| GI Descrip. | (AC002376) EST gb\|T04104 comes from this gene. [Arabidopsis thaliana] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o1.gs | Method | GENSCAN |
| Start | 1429 | End | 4020 |
| GI | none | Score | .63 |
| Exons | 1429..1676, 1744..2278, 3087..3240, 3680..3867, 3998..4020 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o3.gs | Method | GENSCAN |
| Start | 5962 | End | 10228 |
| GI | none | Score | .58 |
| Exons | 5962..6350, 6851..6872, 6957..7073, 7495..7605, 7845..7988, 8076..8288, 8471..8618, 9780..10228 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o1.gp | Method | AAT/GAP |
| Start | 8456 | End | 8699 |
| GI | 2797196 | Score | 449 |
| Exons | 8456..8699 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o4.gs | Method | GENSCAN |
| Start | 11210 | End | 11885 |
| GI | none | Score | .5 |
| Exons | 11210..11339, 11614..11885 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14814 | Strand | + |
| Start | 1 | End | 17655 |
| Name | OJ990421_11.9923.C14.o5.gs | Method | GENSCAN |
| Start | 12967 | End | 13407 |
| GI | none | Score | .74 |
| Exons | 12967..13407 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14815 | Strand | + |
| Start | 18976 | End | 32191 |
| Name | OJ990421_11.9923.C14.o7.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 18976 | End | 21836 |
| GI | none | Score | .53 |
| Exons | 18976..19024, 19275..19435, 19873..19899, 20240..20315, 20818..21186, 21562..21836 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14815 | Strand | + |
| Start | 18976 | End | 32191 |
| Name | OJ990421_11.9923.C14.o2.gp | Method | AAT/GAP |
| Start | 19129 | End | 19650 |
| GI | LIB3434-038-P1-K1-F1 | Score | 780 |
| Exons | 19129..19650 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14815 | Strand | + |
| Start | 18976 | End | 32191 |
| Name | OJ990421_11.9923.C14.o5.np | Method | AAT/NAP |
| Start | 20855 | End | 32191 |
| GI | 3786007 | Score | 1168 |
| Exons | 20855..20894, 27758..27855, 29219..29375, 30304..30593, 30761..31118, 31200..31751, 31913..32191 | | |
| GI Descrip. | (AC005499) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14815 | Strand | + |
| Start | 18976 | End | 32191 |
| Name | OJ990421_11.9923.C14.o9.gs | Method | GENSCAN |
| Start | 27712 | End | 32191 |
| GI | none | Score | .72 |
| Exons | 27712..27856, 28534..28643, 29232..29388, 29498..29550, 30304..30593, 30761..31118, 31200..31751, 31913..32191 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14815 | Strand | + |
| Start | 18976 | End | 32191 |
| Name | OJ990421_11.9923.C14.o3.gp | Method | AAT/GAP |
| Start | 30872 | End | 31410 |
| GI | 2312480 | Score | 848 |
| Exons | 30872..31118, 31200..31410 | | |
| GI Descrip. | 3786007 2.0e-32 (AC005499) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14816 | Strand | + |
| Start | 46910 | End | 47756 |
| Name | OJ990421_11.9923.C14.o11.gs | Method | GENSCAN |
| Start | 46910 | End | 47756 |
| GI | none | Score | .51 |
| Exons | 46910..47124, 47156..47251, 47660..47756 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14817 | Strand | - |
| Start | 4506 | End | 5185 |
| Name | OJ990421_11.9923.C14.o2.gs | Method | GENSCAN |
| Start | 4506 | End | 5185 |

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|---|---|---|---|
| GI | none | Score | .94 |
| Exons | 4506..4856, 4925..5185 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14818 | Strand | - |
| Start | 10335 | End | 12854 |
| Name | OJ990421_11.9923.C14.o3.np | Method | AAT/NAP |
| Start | 10335 | End | 12854 |
| GI | 6539588 | Score | 83 |
| Exons | 10335..10371, 11992..12112, 12828..12854 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14819 | Strand | - |
| Start | 15236 | End | 17578 |
| Name | OJ990421_11.9923.C14.o6.gs | Method | GENSCAN |
| Start | 15236 | End | 17578 |
| GI | none | Score | .71 |
| Exons | 15236..15288, 15447..15616, 16083..16180, 16873..16953, 17111..17218, 17423..17578 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14820 | Strand | - |
| Start | 22583 | End | 26005 |
| Name | OJ990421_11.9923.C14.o8.gs | Method | GENSCAN |
| Start | 22583 | End | 26005 |
| GI | none | Score | .59 |
| Exons | 22583..22665, 22738..22920, 23297..23543, 25901..26005 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14821 | Strand | - |
| Start | 33907 | End | 42777 |
| Name | OJ990421_11.9923.C14.o10.gs | Method | GENSCAN |
| Start | 33907 | End | 42777 |
| GI | none | Score | .4 |
| Exons | 33907..34273, 34320..34396, 35127..35611, 35836..36616, 36724..36918, 37533..38335, 38361..39263, 39277..39399, 39691..39806, 39986..40130, 40806..40959, 41546..41891, 42012..42114, 42146..42249, 42644..42777 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14822 | Strand | - |
| Start | 49000 | End | 49954 |
| Name | OJ990421_11.9923.C14.o7.np | Method | AAT/NAP |
| Start | 48802 | End | 49908 |
| GI | 3482932 | Score | 571 |
| Exons | 48802..48844, 49023..49455, 49562..49908 | | |
| GI Descrip. | (AC003970) Hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14822 | Strand | - |
| Start | 49000 | End | 49954 |
| Name | OJ990421_11.9923.C14.o12.gs | Method | GENSCAN |
| Start | 49000 | End | 49954 |
| GI | none | Score | .98 |
| Exons | 49000..49455, 49562..49954 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o7.tm | Method | TBLASTX:Maize |
| Start | 1493 | End | 1709 |
| GI | none | Score | 198 |
| Exons | 1493..1708, 1494..1709 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o4.tm | Method | TBLASTX:Maize |
| Start | 2026 | End | 2982 |
| GI | none | Score | 115 |
| Exons | 2026..2136, 2034..2138, 2254..2442, 2255..2455, 2256..2444, 2608..2655, 2730..2906, 2732..2884, 2742..2888, 2938..2982 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o4.ts | Method | TBLASTX:Soybean |
| Start | 2059 | End | 2445 |
| GI | none | Score | 95 |
| Exons | 2059..2136, 2073..2156, 2254..2445, 2255..2437 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o4.tc | Method | TBLASTX:Cress |
| Start | 2065 | End | 2443 |
| GI | none | Score | 90 |
| Exons | 2065..2136, 2073..2138, 2254..2439, 2255..2443 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 4521 | End | 5236 |
| GI | none | Score | 89 |
| Exons | 4521..4832, 4576..4743, 4922..4990, 4926..4991, 5003..5236, 5057..5119 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o3.tc | Method | TBLASTX:Cress |
| Start | 4554 | End | 5239 |
| GI | none | Score | 78 |
| Exons | 4554..4820, 4937..4990, 5003..5167, 5003..5239 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o5.tm | Method | TBLASTX:Maize |
| Start | 4920 | End | 5236 |
| GI | none | Score | 51 |
| Exons | 4920..4985, 4925..4996, 5004..5228, 5006..5236, 5006..5230 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 4937 | End | 5276 |
| GI | none | Score | 141 |
| Exons | 4937..5242, 4943..5170, 5019..5249, 5172..5276 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o6.tm | Method | TBLASTX:Maize |
| Start | 7489 | End | 8162 |
| GI | none | Score | 126 |
| Exons | 7489..7608, 7494..7604, 7687..7722, 7831..7944, 7845..7946, 7852..7947, 7931..7990, 7945..7989, 8075..8140, 8076..8162 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o5.ts | Method | TBLASTX:Soybean |
| Start | 7824 | End | 8162 |
| GI | none | Score | 171 |
| Exons | 7824..7976, 7874..7975, 8075..8125, 8076..8162 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 30379 | End | 32116 |
| GI | none | Score | 56 |
| Exons | 30379..30474, 30481..30585, 30771..30983, 31020..31118, 31197..31334, 31422..31646, 31427..31600, 31641..31739, 31943..32116 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 30759 | End | 31646 |
| GI | none | Score | 250 |
| Exons | 30759..31118, 31215..31319, 31404..31646, 31430..31588 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 30782 | End | 32026 |
| GI | none | Score | 107 |
| Exons | 30782..30829, 30827..30988, 30830..30988, 30831..31013, 30831..31004, 31023..31118, 31052..31120, 31197..31316, 31199..31306, 31427..31624, 31431..31751, 31530..31721, 31955..32026 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |

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|---|---|---|---|
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o3.tw | Method | TBLASTX:Wheat |
| Start | 31437 | End | 31733 |
| GI | none | Score | 151 |
| Exons | 31437..31601, 31650..31733 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o5.tc | Method | TBLASTX:Cress |
| Start | 31931 | End | 32182 |
| GI | none | Score | 188 |
| Exons | 31931..32182, 31984..32181 | | |

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|---|---|---|---|
| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o8.tm | Method | TBLASTX:Maize |
| Start | 37140 | End | 37607 |
| GI | none | Score | 141 |
| Exons | 37140..37292, 37362..37607 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o3.tm | Method | TBLASTX:Maize |
| Start | 38172 | End | 39090 |
| GI | none | Score | 116 |
| Exons | 38172..38312, 38356..38610, 38665..39090, 38684..38908, 38983..39066 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 49040 | End | 49330 |
| GI | none | Score | 127 |
| Exons | 49040..49330, 49045..49329 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o2.tc | Method | TBLASTX:Cress |
| Start | 49042 | End | 49356 |
| GI | none | Score | 143 |
| Exons | 49042..49332, 49051..49356, 49061..49336 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o3.ts | Method | TBLASTX:Soybean |
| Start | 49127 | End | 49356 |
| GI | none | Score | 118 |
| Exons | 49127..49345, 49129..49356, 49132..49323, 49136..49342, 49200..49355 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |

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| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 49138 | End | 49449 |
| GI | none | Score | 323 |
| Exons | 49138..49449, 49139..49342 | | |

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| Seq. No. | 7026 | Seq. ID | OJ990421_11.9923.C14 |
| Gene No. | 14823 | Strand | - |
| Start | 51964 | End | 52320 |
| Name | OJ990421_11.9923.C14.o13.gs | Method | GENSCAN |
| Start | 51964 | End | 52320 |
| GI | none | Score | .87 |
| Exons | 51964..52320 | | |

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| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5871 |
| GI | 5902445 | Score | 1128 |
| Exons | 1..103, 768..1513, 2000..2336, 5812..5871 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o3.tw | Method | TBLASTX:Wheat |
| Start | 805 | End | 1019 |
| GI | none | Score | 228 |
| Exons | 805..1017, 807..1019 | | |

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|---|---|---|---|
| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 963 | End | 1346 |
| GI | none | Score | 289 |
| Exons | 963..1247, 964..1248, 1236..1346 | | |

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| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 1020 | End | 1439 |
| GI | none | Score | 281 |
| Exons | 1020..1250, 1021..1251, 1233..1439, 1259..1432 | | |

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|---|---|---|---|
| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 1099 | End | 1469 |
| GI | none | Score | 154 |
| Exons | 1099..1242, 1116..1241, 1287..1469 | | |

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| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |

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| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 1995 | End | 2261 |
| GI | none | Score | 254 |
| Exons | 1995..2261, 2025..2168, 2093..2257 | | |

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| Seq. No. | 7027 | Seq. ID | OJ990421_11.9923.C16 |
| Gene No. | 14824 | Strand | + |
| Start | 1 | End | 5871 |
| Name | OJ990421_11.9923.C16.o2.np | Method | AAT/NAP |
| Start | 2012 | End | 3470 |
| GI | 5042454 | Score | 367 |
| Exons | 2012..2156, 2741..2768, 2994..3169, 3417..3470 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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| Seq. No. | 7028 | Seq. ID | OJ990421_11.9923.C17 |
| Gene No. | 14825 | Strand | + |
| Start | 195 | End | 495 |
| Name | OJ990421_11.9923.C17.o1.gs | Method | GENSCAN |
| Start | 195 | End | 495 |
| GI | none | Score | .69 |
| Exons | 195..495 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14826 | Strand | - |
| Start | 53 | End | 4956 |
| Name | OJ990421_11.9923.C19.o1.gs | Method | GENSCAN |
| Start | 53 | End | 4956 |
| GI | none | Score | .83 |
| Exons | 53..145, 508..630, 1068..1217, 1265..1385, 1572..1639, 1828..1899, 2497..2627, 3025..3260, 4622..4956 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14826 | Strand | - |
| Start | 53 | End | 4956 |
| Name | OJ990421_11.9923.C19.o1.np | Method | AAT/NAP |
| Start | 56 | End | 4944 |
| GI | 3786005 | Score | 1404 |
| Exons | 56..124, 508..630, 712..777, 1265..1385, 1572..1639, 1828..1899, 2432..2613, 3025..3260, 4622..4944 | | |
| GI Descrip. | (AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana] | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14826 | Strand | - |
| Start | 53 | End | 4956 |
| Name | OJ990421_11.9923.C19.o1.gp | Method | AAT/GAP |
| Start | 106 | End | 521 |
| GI | none | Score | 732 |
| Exons | 106..521 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14826 | Strand | - |
| Start | 53 | End | 4956 |
| Name | OJ990421_11.9923.C19.o2.gp | Method | AAT/GAP |
| Start | 1562 | End | 3170 |

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| GI | LIB3432-052-P1-K1-C8 | Score | 762 |
| Exons | 1562..1639, 1828..1899, 2432..2613, 3025..3170 | | |
| GI Descrip. | '3786005 1.0e-60 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o1.ts | Method | TBLASTX:Soybean |
| Start | 13 | End | 5093 |
| GI | none | Score | 171 |
| Exons | 13..51, 53..127, 499..633, 509..631, 712..777, 716..778, 718..777, 1250..1363, 1253..1387, 1259..1387, 1266..1388, 1502..1633, 1572..1640, 1574..1639, 1825..1902, 1827..1907, 1828..1902, 1829..1906, 2427..2564, 2432..2581, 2433..2579, 2564..2632, 3023..3148, 3023..3262, 3024..3254, 3025..3255, 4621..4776, 4622..4777, 4624..4803, 4648..4776, 4748..4780, 4832..4858, 4855..4932, 4856..4912, 4861..4938, 4881..4937, 5061..5093 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o2.tm | Method | TBLASTX:Maize |
| Start | 13 | End | 5093 |
| GI | none | Score | 171 |
| Exons | 13..51, 53..127, 499..633, 509..631, 712..777, 716..778, 718..777, 1502..1633, 1572..1640, 1574..1639, 1825..1902, 1828..1902, 1829..1906, 2427..2564, 2432..2581, 2433..2579, 2509..2619, 2583..2633, 4621..4776, 4622..4777, 4624..4803, 4648..4776, 4748..4780, 4832..4858, 4855..4932, 4856..4912, 4861..4938, 4881..4937, 5061..5093 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o2.tc | Method | TBLASTX:Cress |
| Start | 712 | End | 3173 |
| GI | none | Score | 101 |
| Exons | 712..777, 1235..1378, 1259..1387, 1266..1388, 1266..1391, 1267..1392, 1572..1640, 1574..1639, 1825..1902, 1829..1900, 1829..1906, 2432..2521, 2442..2522, 2495..2635, 2505..2633, 3023..3148, 3023..3172, 3075..3173 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 1250 | End | 3283 |
| GI | none | Score | 331 |
| Exons | 1250..1351, 3023..3283, 3024..3263 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 1834 | End | 5062 |

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| GI | none | Score | 89 |
| Exons | 1834..1875, 4724..4777, 4726..4776, 4767..4784, 4816..4944, 4817..4912, 5042..5062 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o1.tc | Method | TBLASTX:Cress |
| Start | 4615 | End | 4926 |
| GI | none | Score | 141 |
| Exons | 4615..4776, 4616..4777, 4861..4926 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o2.gs | Method | GENSCAN |
| Start | 6472 | End | 8109 |
| GI | none | Score | .96 |
| Exons | 6472..6639, 6822..6936, 7218..7309, 7414..7499, 8019..8109 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o3.tm | Method | TBLASTX:Maize |
| Start | 6472 | End | 9224 |
| GI | none | Score | 94 |
| Exons | 6472..6546, 6534..6608, 6591..6641, 6814..6894, 6822..6929, 6822..6935, 7206..7310, 7217..7309, 7220..7330, 7236..7310, 7408..7500, 7424..7501, 8020..8118, 8022..8120, 8026..8121, 9056..9085, 9058..9207, 9090..9224 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o2.np | Method | AAT/NAP |
| Start | 6475 | End | 9151 |
| GI | 4972062 | Score | 445 |
| Exons | 6475..6639, 6822..6936, 7218..7309, 7414..7499, 8019..8118, 9062..9151 | | |
| GI Descrip. | (AL078470) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o3.tc | Method | TBLASTX:Cress |
| Start | 6814 | End | 8118 |
| GI | none | Score | 94 |
| Exons | 6814..6894, 6822..6935, 7220..7309, 7230..7313, 7403..7501, 7408..7500, 8023..8118 | | |

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o2.ts | Method | TBLASTX:Soybean |
| Start | 7196 | End | 8115 |
| GI | none | Score | 65 |
| Exons | 7196..7309, 7230..7310, 7240..7350, 7243..7311, 7250..7330, | | |

7408..7440, 7408..7500, 7418..7501, 8023..8115

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| Seq. No. | 7029 | Seq. ID | OJ990421_11.9923.C19 |
| Gene No. | 14827 | Strand | - |
| Start | 6472 | End | 9282 |
| Name | OJ990421_11.9923.C19.o3.gp | Method | AAT/GAP |
| Start | 7998 | End | 9282 |
| GI | LIB3433-053-P1-K1-A6 | Score | 604 |
| Exons | 7998..8118, 9062..9282 | | |
| GI Descrip. | '4972062/emb\|CAB43930.1\| 4.0e-13 (AL078470) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14828 | Strand | - |
| Start | 449 | End | 9423 |
| Name | OJ990421_11.9923.C22.o1.gs | Method | GENSCAN |
| Start | 449 | End | 9423 |
| GI | none | Score | 43 |
| Exons | 449..732, 3229..3385, 5137..5215, 5416..5602, 5708..6006, 6742..6785, 6846..7842, 7857..8075, 8161..9423 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14828 | Strand | - |
| Start | 449 | End | 9423 |
| Name | OJ990421_11.9923.C22.o1.np | Method | AAT/NAP |
| Start | 6829 | End | 9385 |
| GI | 4558666 | Score | 1488 |
| Exons | 6829..8075, 8161..9385 | | |
| GI Descrip. | (AC007063) putative Na/H antiporter [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 6937 | End | 7060 |
| GI | none | Score | 158 |
| Exons | 6937..7059, 6938..7060 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 7333 | End | 7681 |
| GI | none | Score | 408 |
| Exons | 7333..7680, 7334..7681 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o2.tc | Method | TBLASTX:Cress |
| Start | 7357 | End | 7662 |
| GI | none | Score | 168 |
| Exons | 7357..7401, 7423..7662 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |

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|---|---|---|---|
| Name | OJ990421_11.9923.C22.o1.ts | Method | TBLASTX:Soybean |
| Start | 7794 | End | 8241 |
| GI | none | Score | 81 |
| Exons | 7794..8075, 8158..8241 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o2.ts | Method | TBLASTX:Soybean |
| Start | 8347 | End | 8541 |
| GI | none | Score | 72 |
| Exons | 8347..8541, 8348..8491, 8401..8538 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o1.tc | Method | TBLASTX:Cress |
| Start | 8791 | End | 9189 |
| GI | none | Score | 167 |
| Exons | 8791..8883, 8962..9189 | | |

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|---|---|---|---|
| Seq. No. | 7030 | Seq. ID | OJ990421_11.9923.C22 |
| Gene No. | 14829 | Strand | - |
| Start | 10119 | End | 10289 |
| Name | OJ990421_11.9923.C22.o2.gs | Method | GENSCAN |
| Start | 10119 | End | 10289 |
| GI | none | Score | .72 |
| Exons | 10119..10289 | | |

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|---|---|---|---|
| Seq. No. | 7031 | Seq. ID | OJ990421_11.9923.C23 |
| Gene No. | 14830 | Strand | + |
| Start | 176 | End | 358 |
| Name | OJ990421_11.9923.C23.o1.gs | Method | GENSCAN |
| Start | 176 | End | 358 |
| GI | none | Score | .54 |
| Exons | 176..358 | | |

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|---|---|---|---|
| Seq. No. | 7032 | Seq. ID | OJ990421_11.9923.C24 |
| Gene No. | 14831 | Strand | + |
| Start | 63 | End | 112 |
| Name | OJ990421_11.9923.C24.o1.gs | Method | GENSCAN |
| Start | 63 | End | 112 |
| GI | none | Score | .76 |
| Exons | 63..112 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14832 | Strand | + |
| Start | 992 | End | 1635 |
| Name | OJ990421_11.9923.C25.o1.gs | Method | GENSCAN |
| Start | 992 | End | 1635 |
| GI | none | Score | .7 |
| Exons | 992..1021, 1495..1635 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 1727 | End | 2298 |
| GI | 16838_1.R1084 | Score | 1012 |
| Exons | 1727..2298 | | |
| GI Descrip. | '1497987 5.0e-33 (U62798) SCARECROW [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 1983 | End | 2260 |
| GI | none | Score | 317 |
| Exons | 1983..2258, 1985..2260, 1989..2258 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o1.np | Method | AAT/NAP |
| Start | 1985 | End | 3692 |
| GI | 1497987 | Score | 786 |
| Exons | 1985..2411, 3524..3692 | | |
| GI Descrip. | (U62798) SCARECROW [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 1991 | End | 3691 |
| GI | none | Score | 235 |
| Exons | 1991..2413, 1992..2267, 1998..2420, 2171..2398, 2340..2414, 3523..3687, 3524..3691 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o3.ts | Method | TBLASTX:Soybean |
| Start | 1991 | End | 2195 |
| GI | none | Score | 131 |
| Exons | 1991..2194, 1992..2195 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 2222 | End | 2415 |
| GI | none | Score | 141 |
| Exons | 2222..2413, 2222..2413, 2224..2415 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o2.tm | Method | TBLASTX:Maize |
| Start | 2270 | End | 3691 |
| GI | none | Score | 133 |
| Exons | 2270..2413, 2270..2413, 3523..3690, 3524..3691 | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |

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|---|---|---|---|
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o2.gp | Method | AAT/GAP |
| Start | 3187 | End | 3322 |
| GI | LIB3474-009-P1-K1-F11 | Score | 227 |
| Exons | 3187..3322 | | |
| GI Descrip. | '4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7033 | Seq. ID | OJ990421_11.9923.C25 |
| Gene No. | 14833 | Strand | - |
| Start | 1727 | End | 3692 |
| Name | OJ990421_11.9923.C25.o2.ts | Method | TBLASTX:Soybean |
| Start | 3521 | End | 3691 |
| GI | none | Score | 156 |
| Exons | 3521..3691, 3523..3687 | | |

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|---|---|---|---|
| Seq. No. | 7034 | Seq. ID | OJ990421_11.9923.C26 |
| Gene No. | 14834 | Strand | - |
| Start | 24 | End | 72 |
| Name | OJ990421_11.9923.C26.o1.gs | Method | GENSCAN |
| Start | 24 | End | 72 |
| GI | none | Score | .9 |
| Exons | 24..72 | | |

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|---|---|---|---|
| Seq. No. | 7035 | Seq. ID | OJ990421_11.9923.C27 |
| Gene No. | 14835 | Strand | - |
| Start | 413 | End | 548 |
| Name | OJ990421_11.9923.C27.o1.gp | Method | AAT/GAP |
| Start | 413 | End | 548 |
| GI | LIB3474-009-P1-K1-F11 | Score | 224 |
| Exons | 413..548 | | |
| GI Descrip. | '4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7036 | Seq. ID | OJ990421_11.9923.C29 |
| Gene No. | 14836 | Strand | + |
| Start | 314 | End | 553 |
| Name | OJ990421_11.9923.C29.o1.tm | Method | TBLASTX:Maize |
| Start | 312 | End | 553 |
| GI | none | Score | 148 |
| Exons | 312..389, 313..405, 503..553, 504..551 | | |

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|---|---|---|---|
| Seq. No. | 7036 | Seq. ID | OJ990421_11.9923.C29 |
| Gene No. | 14836 | Strand | + |
| Start | 314 | End | 553 |
| Name | OJ990421_11.9923.C29.o1.gs | Method | GENSCAN |
| Start | 314 | End | 399 |
| GI | none | Score | .73 |
| Exons | 314..399 | | |

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|---|---|---|---|
| Seq. No. | 7036 | Seq. ID | OJ990421_11.9923.C29 |
| Gene No. | 14836 | Strand | + |
| Start | 314 | End | 553 |
| Name | OJ990421_11.9923.C29.o1.np | Method | AAT/NAP |
| Start | 314 | End | 553 |
| GI | 3687235 | Score | 114 |
| Exons | 314..399, 504..553 | | |

GI Descrip. (AC005169) copia-like retroelement pol polyprotein [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7037 | Seq. ID | OJ990421_11.9923.C31 |
| Gene No. | 14837 | Strand | + |
| Start | 1 | End | 1248 |
| Name | OJ990421_11.9923.C31.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1203 |
| GI | 2462134 | Score | 446 |
| Exons | 1..1203 | | |

GI Descrip. (Y13368) reverse transcriptase [Beta vulgaris]

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|---|---|---|---|
| Seq. No. | 7037 | Seq. ID | OJ990421_11.9923.C31 |
| Gene No. | 14837 | Strand | + |
| Start | 1 | End | 1248 |
| Name | OJ990421_11.9923.C31.o1.gs | Method | GENSCAN |
| Start | 126 | End | 636 |
| GI | none | Score | .52 |
| Exons | 126..222, 514..636 | | |

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|---|---|---|---|
| Seq. No. | 7037 | Seq. ID | OJ990421_11.9923.C31 |
| Gene No. | 14837 | Strand | + |
| Start | 1 | End | 1248 |
| Name | OJ990421_11.9923.C31.o1.tm | Method | TBLASTX:Maize |
| Start | 823 | End | 1248 |
| GI | none | Score | 290 |
| Exons | 823..1248, 847..930, 1005..1229 | | |

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|---|---|---|---|
| Seq. No. | 7038 | Seq. ID | OJ990421_11.9923.C32 |
| Gene No. | 14838 | Strand | + |
| Start | 1 | End | 605 |
| Name | OJ990421_11.9923.C32.o1.np | Method | AAT/NAP |
| Start | 1 | End | 605 |
| GI | 6498441 | Score | 614 |
| Exons | 1..147, 321..605 | | |

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7038 | Seq. ID | OJ990421_11.9923.C32 |
| Gene No. | 14838 | Strand | + |
| Start | 1 | End | 605 |
| Name | OJ990421_11.9923.C32.o1.tm | Method | TBLASTX:Maize |
| Start | 5 | End | 360 |
| GI | none | Score | 279 |
| Exons | 5..262, 12..194, 13..261, 250..360 | | |

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|---|---|---|---|
| Seq. No. | 7038 | Seq. ID | OJ990421_11.9923.C32 |
| Gene No. | 14838 | Strand | + |
| Start | 1 | End | 605 |
| Name | OJ990421_11.9923.C32.o1.tw | Method | TBLASTX:Wheat |
| Start | 34 | End | 453 |
| GI | none | Score | 281 |
| Exons | 34..264, 35..265, 247..453, 273..446 | | |

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|---|---|---|---|
| Seq. No. | 7038 | Seq. ID | OJ990421_11.9923.C32 |
| Gene No. | 14838 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 605 |
| Name | OJ990421_11.9923.C32.o1.gs | Method | GENSCAN |
| Start | 62 | End | 304 |
| GI | none | Score | .82 |
| Exons | 62..304 | | |

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|---|---|---|---|
| Seq. No. | 7038 | Seq. ID | OJ990421_11.9923.C32 |
| Gene No. | 14838 | Strand | + |
| Start | 1 | End | 605 |
| Name | OJ990421_11.9923.C32.o1.ts | Method | TBLASTX:Soybean |
| Start | 113 | End | 483 |
| GI | none | Score | 154 |
| Exons | 113..256, 130..255, 253..483 | | |

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|---|---|---|---|
| Seq. No. | 7039 | Seq. ID | OJ990421_11.9923.C34 |
| Gene No. | 14839 | Strand | + |
| Start | 293 | End | 547 |
| Name | OJ990421_11.9923.C34.o1.gs | Method | GENSCAN |
| Start | 293 | End | 547 |
| GI | none | Score | .59 |
| Exons | 293..547 | | |

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|---|---|---|---|
| Seq. No. | 7040 | Seq. ID | OJ990401_11.9922.C4 |
| Gene No. | 14840 | Strand | - |
| Start | 140 | End | 205 |
| Name | OJ990401_11.9922.C4.o1.gs | Method | GENSCAN |
| Start | 140 | End | 205 |
| GI | none | Score | .88 |
| Exons | 140..205 | | |

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|---|---|---|---|
| Seq. No. | 7041 | Seq. ID | OJ990401_11.9922.C5 |
| Gene No. | 14841 | Strand | + |
| Start | 74 | End | 727 |
| Name | OJ990401_11.9922.C5.o1.gs | Method | GENSCAN |
| Start | 74 | End | 727 |
| GI | none | Score | .83 |
| Exons | 74..223, 327..727 | | |

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|---|---|---|---|
| Seq. No. | 7041 | Seq. ID | OJ990401_11.9922.C5 |
| Gene No. | 14842 | Strand | + |
| Start | 928 | End | 1143 |
| Name | OJ990401_11.9922.C5.o2.gs | Method | GENSCAN |
| Start | 928 | End | 1143 |
| GI | none | Score | .75 |
| Exons | 928..1143 | | |

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|---|---|---|---|
| Seq. No. | 7042 | Seq. ID | OJ990401_11.9922.C7 |
| Gene No. | 14843 | Strand | + |
| Start | 1642 | End | 2144 |
| Name | OJ990401_11.9922.C7.o1.gs | Method | GENSCAN |
| Start | 1642 | End | 2144 |
| GI | none | Score | .88 |
| Exons | 1642..1648, 2056..2144 | | |

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|---|---|---|---|
| Seq. No. | 7042 | Seq. ID | OJ990401_11.9922.C7 |
| Gene No. | 14844 | Strand | + |
| Start | 2975 | End | 3114 |

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|---|---|---|---|
| Name | OJ990401_11.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 2975 | End | 3114 |
| GI | 21474_1.R1084 | Score | 221 |
| Exons | 2975..3114 | | |
| GI Descrip. | '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7042 | Seq. ID | OJ990401_11.9922.C7 |
| Gene No. | 14845 | Strand | - |
| Start | 3382 | End | 6369 |
| Name | OJ990401_11.9922.C7.o2.gs | Method | GENSCAN |
| Start | 3382 | End | 6320 |
| GI | none | Score | .91 |
| Exons | 3382..3567, 3647..3745, 3840..3912, 3997..4107, 4204..4377, 4487..5580, 5655..6320 | | |

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|---|---|---|---|
| Seq. No. | 7042 | Seq. ID | OJ990401_11.9922.C7 |
| Gene No. | 14845 | Strand | - |
| Start | 3382 | End | 6369 |
| Name | OJ990401_11.9922.C7.o1.np | Method | AAT/NAP |
| Start | 3400 | End | 6369 |
| GI | 4680204 | Score | 733 |
| Exons | 3400..3537, 3888..4107, 4204..4377, 4487..5580, 5655..6369 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7042 | Seq. ID | OJ990401_11.9922.C7 |
| Gene No. | 14845 | Strand | - |
| Start | 3382 | End | 6369 |
| Name | OJ990401_11.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 6003 | End | 6342 |
| GI | none | Score | 56 |
| Exons | 6003..6035, 6039..6173, 6072..6116, 6180..6341, 6193..6342 | | |

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|---|---|---|---|
| Seq. No. | 7043 | Seq. ID | OJ990401_11.9922.C8 |
| Gene No. | 14846 | Strand | - |
| Start | 28 | End | 520 |
| Name | OJ990401_11.9922.C8.o1.gs | Method | GENSCAN |
| Start | 28 | End | 520 |
| GI | none | Score | .62 |
| Exons | 28..298, 308..520 | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 2435 |
| GI | 342_1.R1084 | Score | 3891 |
| Exons | 1..496, 606..710, 829..2435 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o5.gp | Method | AAT/GAP |
| Start | 151 | End | 2435 |
| GI | 342_1.R1084 | Score | 3622 |

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|---|---|---|---|
| Exons | 151..496, 606..710, 829..2435 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o4.gp | Method | AAT/GAP |
| Start | 153 | End | 2435 |
| GI | 342_1.R1084 | Score | 3618 |
| Exons | 153..496, 606..710, 829..2435 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o3.gp | Method | AAT/GAP |
| Start | 159 | End | 2435 |
| GI | 342_1.R1084 | Score | 3606 |
| Exons | 159..496, 606..710, 829..2435 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.gs | Method | GENSCAN |
| Start | 913 | End | 2355 |
| GI | none | Score | .96 |
| Exons | 913..2355 | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 988 | End | 2305 |
| GI | none | Score | 52 |
| Exons | 988..1080, 989..1054, 1069..1149, 1154..1234, 1162..1302, 1163..1303, 1250..1345, 1282..1341, 1348..1392, 1353..1388, 1387..2304, 1402..1719, 1574..2305 | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.np | Method | AAT/NAP |
| Start | 1472 | End | 2435 |
| GI | 6742729 | Score | 1507 |
| Exons | 1472..2435 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 1569 | End | 2021 |
| GI | none | Score | 183 |

| | | | |
|---|---|---|---|
| Exons | 1569..1820, 1570..2007, 1573..2013, 1574..2017, 1580..2017, 1839..2021 | | |
| Seq. No. | 7044 | Seq. ID | OJ990401_11.9922.C9 |
| Gene No. | 14847 | Strand | - |
| Start | 1 | End | 2435 |
| Name | OJ990401_11.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 1948 | End | 2262 |
| GI | none | Score | 68 |
| Exons | 1948..2178, 1948..2262, 1976..2251 | | |
| Seq. No. | 7045 | Seq. ID | OJ990401_11.9922.C10 |
| Gene No. | 14848 | Strand | - |
| Start | 6 | End | 785 |
| Name | OJ990401_11.9922.C10.o1.np | Method | AAT/NAP |
| Start | 6 | End | 335 |
| GI | 5852182 | Score | 389 |
| Exons | 6..335 | | |
| GI Descrip. | (AL117265) zhb0012.1 [Oryza sativa] | | |
| Seq. No. | 7045 | Seq. ID | OJ990401_11.9922.C10 |
| Gene No. | 14848 | Strand | - |
| Start | 6 | End | 785 |
| Name | OJ990401_11.9922.C10.o1.gp | Method | AAT/GAP |
| Start | 196 | End | 785 |
| GI | 2310235 | Score | 297 |
| Exons | 196..335, 748..785 | | |
| GI Descrip. | 5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa] | | |
| Seq. No. | 7046 | Seq. ID | OJ990401_11.9922.C11 |
| Gene No. | 14849 | Strand | - |
| Start | 406 | End | 705 |
| Name | OJ990401_11.9922.C11.o1.gs | Method | GENSCAN |
| Start | 406 | End | 705 |
| GI | none | Score | .67 |
| Exons | 406..570, 631..705 | | |
| Seq. No. | 7046 | Seq. ID | OJ990401_11.9922.C11 |
| Gene No. | 14850 | Strand | - |
| Start | 1789 | End | 2932 |
| Name | OJ990401_11.9922.C11.o2.gs | Method | GENSCAN |
| Start | 1789 | End | 2932 |
| GI | none | Score | .62 |
| Exons | 1789..1883, 2293..2369, 2864..2932 | | |
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14851 | Strand | + |
| Start | 4529 | End | 5792 |
| Name | OJ990401_11.9922.C12.o2.np | Method | AAT/NAP |
| Start | 4529 | End | 5792 |
| GI | 100484 | Score | 801 |
| Exons | 4529..4693, 4736..5792 | | |
| GI Descrip. | hypothetical protein - garden snapdragon | | |
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14852 | Strand | - |

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|---|---|---|---|
| Start | 2678 | End | 3345 |
| Name | OJ990401_11.9922.C12.o1.np | Method | AAT/NAP |
| Start | 2678 | End | 3345 |
| GI | 2583123 | Score | 49 |
| Exons | 2678..3013, 3198..3345 | | |
| GI Descrip. | (AC002387) putative nucleotide sugar epimerase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14852 | Strand | - |
| Start | 2678 | End | 3345 |
| Name | OJ990401_11.9922.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 2678 | End | 2939 |
| GI | none | Score | 91 |
| Exons | 2678..2752, 2679..2753, 2801..2938, 2802..2939 | | |

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|---|---|---|---|
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14853 | Strand | |
| Start | 4919 | End | 5612 |
| Name | OJ990401_11.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 4919 | End | 5212 |
| GI | none | Score | 221 |
| Exons | 4919..5212, 5027..5212 | | |

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|---|---|---|---|
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14853 | Strand | |
| Start | 4919 | End | 5612 |
| Name | OJ990401_11.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 4943 | End | 5470 |
| GI | none | Score | 161 |
| Exons | 4943..5212, 5222..5338, 5344..5466, 5354..5470 | | |

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|---|---|---|---|
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14853 | Strand | |
| Start | 4919 | End | 5612 |
| Name | OJ990401_11.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 5147 | End | 5612 |
| GI | none | Score | 103 |
| Exons | 5147..5227, 5198..5236, 5219..5299, 5221..5286, 5286..5429, 5294..5476, 5302..5469, 5312..5476, 5410..5604, 5467..5610, 5490..5612 | | |

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|---|---|---|---|
| Seq. No. | 7047 | Seq. ID | OJ990401_11.9922.C12 |
| Gene No. | 14853 | Strand | |
| Start | 4919 | End | 5612 |
| Name | OJ990401_11.9922.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 5215 | End | 5565 |
| GI | none | Score | 106 |
| Exons | 5215..5322, 5219..5323, 5345..5488, 5401..5469, 5467..5565 | | |

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 714 |
| GI | 5911167 | Score | 628 |
| Exons | 1..714 | | |

GI Descrip. (AF136221) putative transposase protein [Zea mays]

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 136 | End | 625 |
| GI | none | Score | 741 |
| Exons | 136..624, 137..625, 137..625 | | |

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o1.gs | Method | GENSCAN |
| Start | 139 | End | 887 |
| GI | none | Score | .6 |
| Exons | 139..887 | | |

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 172 | End | 576 |
| GI | none | Score | 118 |
| Exons | 172..321, 244..312, 314..400, | 334..576, 480..575 | |

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 235 | End | 693 |
| GI | none | Score | 307 |
| Exons | 235..693 | | |

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|---|---|---|---|
| Seq. No. | 7048 | Seq. ID | OJ990401_11.9922.C13 |
| Gene No. | 14854 | Strand | + |
| Start | 1 | End | 887 |
| Name | OJ990401_11.9922.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 626 | End | 870 |
| GI | none | Score | 217 |
| Exons | 626..742, 627..863, 627..863, | 628..870, 803..865 | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 993 |
| GI | 342_1.R1084 | Score | 1660 |
| Exons | 1..993 | | |

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 275 |

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|---|---|---|---|
| GI | none | Score | 92 |
| Exons | 1..99, 3..98, 95..274, 96..275 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 993 |
| GI | 4680203 | Score | 1210 |
| Exons | 1..993 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 15 | End | 403 |
| GI | none | Score | 123 |
| Exons | 15..98, 95..298, 96..275, 314..403 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.gs | Method | GENSCAN |
| Start | 80 | End | 958 |
| GI | none | Score | 1 |
| Exons | 80..958 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 95 | End | 410 |
| GI | none | Score | 74 |
| Exons | 95..403, 123..218, 258..410 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 143 | End | 571 |
| GI | none | Score | 125 |
| Exons | 143..439, 161..385, 434..496, 497..571 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 493 | End | 844 |
| GI | none | Score | 179 |
| Exons | 493..744, 503..754, 504..746, 737..844 | | |

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|---|---|---|---|
| Seq. No. | 7049 | Seq. ID | OJ990401_11.9922.C14 |
| Gene No. | 14855 | Strand | - |
| Start | 1 | End | 993 |
| Name | OJ990401_11.9922.C14.o2.np | Method | AAT/NAP |
| Start | 866 | End | 993 |

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|---|---|---|---|
| GI | 5852182 | Score | 122 |
| Exons | 866..993 | | |
| GI Descrip. | (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14856 | Strand | + |
| Start | 10055 | End | 13219 |
| Name | OJ990401_11.9922.C18.o2.np | Method | AAT/NAP |
| Start | 10055 | End | 12190 |
| GI | 6721512 | Score | 228 |
| Exons | 10055..10173, 10201..10334, 10377..10413, 10525..10593, 12126..12190 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14856 | Strand | + |
| Start | 10055 | End | 13219 |
| Name | OJ990401_11.9922.C18.o3.np | Method | AAT/NAP |
| Start | 11917 | End | 13219 |
| GI | 6630745 | Score | 157 |
| Exons | 11917..12006, 12968..13219 | | |
| GI Descrip. | (AL132958) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14857 | Strand | + |
| Start | 24295 | End | 38860 |
| Name | OJ990401_11.9922.C18.o7.np | Method | AAT/NAP |
| Start | 24295 | End | 38860 |
| GI | 4680183 | Score | 202 |
| Exons | 24295..24337, 38152..38222, 38771..38860 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14858 | Strand | - |
| Start | 954 | End | 3416 |
| Name | OJ990401_11.9922.C18.o1.gs | Method | GENSCAN |
| Start | 954 | End | 3416 |
| GI | none | Score | .52 |
| Exons | 954..1996, 2048..2158, 2576..3416 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14858 | Strand | - |
| Start | 954 | End | 3416 |
| Name | OJ990401_11.9922.C18.o1.np | Method | AAT/NAP |
| Start | 993 | End | 3416 |
| GI | 5803260 | Score | 982 |
| Exons | 993..2146, 2344..2438, 2536..3416 | | |
| GI Descrip. | (AP000399) similar to wakl gene (AJ009696) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14859 | Strand | - |
| Start | 14547 | End | 21363 |
| Name | OJ990401_11.9922.C18.o4.gs | Method | GENSCAN |
| Start | 14547 | End | 21363 |
| GI | none | Score | .7 |
| Exons | 14547..14689, 14849..14909, 15882..16004, 16080..16146, 16325..16395, 16468..16579, 16938..17005, 17318..17349, | | |

17453..17499, 17630..17683, 18222..18319, 21358..21363

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14859 | Strand | - |
| Start | 14547 | End | 21363 |
| Name | OJ990401_11.9922.C18.o4.np | Method | AAT/NAP |
| Start | 14550 | End | 18274 |
| GI | 4582787 | Score | 1183 |
| Exons | 14550..14689, 14849..14909, 15882..16004, 16080..16146, 16325..16395, 16468..16565, 16697..16773, 16938..17005, 17112..17213, 17318..17349, 17453..17499, 17630..17683, 18222..18274 | | |
| GI Descrip. | (AJ012281) adenosine kinase [Zea mays] | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14859 | Strand | - |
| Start | 14547 | End | 21363 |
| Name | OJ990401_11.9922.C18.o1.gp | Method | AAT/GAP |
| Start | 15880 | End | 16139 |
| GI | LIB3431-051-P1-K1-F7 | Score | 317 |
| Exons | 15880..16004, 16080..16139 | | |
| GI Descrip. | '4582787/emb\|CAB40376.1\| 5.0e-36 (AJ012281) adenosine kinase [Zea mays]' | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14859 | Strand | - |
| Start | 14547 | End | 21363 |
| Name | OJ990401_11.9922.C18.o2.gp | Method | AAT/GAP |
| Start | 17139 | End | 18403 |
| GI | LIB3477-005-P1-K1-A9 | Score | 684 |
| Exons | 17139..17213, 17318..17349, 17453..17499, 17630..17683, 18222..18403 | | |
| GI Descrip. | '4582787/emb\|CAB40376.1\| 2.0e-38 (AJ012281) adenosine kinase [Zea mays]' | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o3.gp | Method | AAT/GAP |
| Start | 22876 | End | 23780 |
| GI | 4467_9.R1084 | Score | 1678 |
| Exons | 22876..23780 | | |
| GI Descrip. | '1944573/emb\|CAA89006\| 9.0e-73 (Z49146) phenylalanine ammonia-lyase [Hordeum vulgare]' | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o5.gs | Method | GENSCAN |
| Start | 23231 | End | 32352 |
| GI | none | Score | .77 |
| Exons | 23231..24977, 25651..26074, 28255..28304, 28910..28922, 29165..29231, 30230..30413, 30511..30597, 31031..31269, 32194..32352 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |

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|---|---|---|---|
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o5.np | Method | AAT/NAP |
| Start | 23234 | End | 26015 |
| GI | 129591 | Score | 3023 |
| Exons | 23234..24977, 25651..26015 | | |
| GI Descrip. | PHENYLALANINE AMMONIA-LYASE gi\|295824\|emb\|CAA34226\| (X16099) phenylalanine ammonia-lyase [Oryza sativa] | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o4.gp | Method | AAT/GAP |
| Start | 24585 | End | 24959 |
| GI | uC-osrocyp031f06b1 | Score | 715 |
| Exons | 24585..24959 | | |
| GI Descrip. | '129591/sp\|P14717\|PAL1_ORYSA 3.0e-54 PHENYLALANINE AMMONIA-LYASE >gi_295824_emb_CAA34226_ (X16099) phenylalanine ammonia-lyase [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o5.gp | Method | AAT/GAP |
| Start | 25651 | End | 26121 |
| GI | 4467_7.R1084 | Score | 829 |
| Exons | 25651..26121 | | |
| GI Descrip. | '82496/pir\|\|S06475 2.0e-31 phenylalanine ammonia-lyase (EC 4.3.1.5) - rice' | | |

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| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14860 | Strand | - |
| Start | 23231 | End | 32352 |
| Name | OJ990401_11.9922.C18.o6.gp | Method | AAT/GAP |
| Start | 28120 | End | 28536 |
| GI | uC-osf1M202115b11b1 | Score | 788 |
| Exons | 28120..28536 | | |
| GI Descrip. | '6063530/dbj\|AP000615.1\|AP000615 8.0e-09 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01' | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14861 | Strand | - |
| Start | 36519 | End | 37376 |
| Name | OJ990401_11.9922.C18.o6.np | Method | AAT/NAP |
| Start | 36519 | End | 37376 |
| GI | 5042448 | Score | 1371 |
| Exons | 36519..37376 | | |
| GI Descrip. | (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o2.tm | Method | TBLASTX:Maize |
| Start | 1107 | End | 2096 |
| GI | none | Score | 317 |
| Exons | 1107..1211, 1242..1997, 1258..1896, 1653..1994, 2013..2096 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o2.tc | Method | TBLASTX:Cress |
| Start | 1239 | End | 3341 |
| GI | none | Score | 200 |
| Exons | 1239..1997, 1366..1662, 1695..1859, 1708..1896, 2025..2150, 2309..2401, 2562..2675, 2772..2897, 2898..2939, 2961..3050, 3270..3341 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o2.ts | Method | TBLASTX:Soybean |
| Start | 1293 | End | 2081 |
| GI | none | Score | 233 |
| Exons | 1293..1841, 1357..1839, 1869..1997, 1872..1973, 2019..2081 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o5.tw | Method | TBLASTX:Wheat |
| Start | 1353 | End | 1619 |
| GI | none | Score | 111 |
| Exons | 1353..1481, 1357..1482, 1503..1619, 1504..1617 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o3.tw | Method | TBLASTX:Wheat |
| Start | 1620 | End | 1982 |
| GI | none | Score | 76 |
| Exons | 1620..1982, 1717..1896, 1905..1973 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o3.tc | Method | TBLASTX:Cress |
| Start | 14544 | End | 18313 |
| GI | none | Score | 139 |
| Exons | 14544..14681, 14545..14682, 14838..14912, 14839..14910, 15876..15950, 15877..16005, 15879..16004, 16080..16145, 16081..16146, 16316..16396, 16322..16396, 16324..16404, 16324..16398, 16465..16569, 16466..16567, 16689..16775, 16705..16776, 16937..17002, 16938..17003, 17103..17216, 17116..17214, 17318..17359, 17451..17504, 17451..17498, 17624..17686, 17629..17691, 18215..18313, 18216..18287 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o3.tm | Method | TBLASTX:Maize |
| Start | 14544 | End | 18316 |
| GI | none | Score | 132 |
| Exons | 14544..14693, 14547..14693, 14548..14694, 14838..14912, 14848..14910, 15837..16004, 15850..16005, 15875..16012, 15877..16017, 16080..16145, 16080..16145, 16081..16146, | | |

16203..16253, 16316..16396, 16322..16396, 16324..16419,
16324..16398, 16465..16566, 16465..16569, 16466..16570,
16466..16594, 16689..16775, 16699..16776, 16700..16789,
16935..17000, 16937..17002, 16937..17005, 17103..17216,
17110..17214, 17318..17359, 17322..17360, 17446..17502,
17451..17498, 17624..17689, 17629..17691, 18215..18316,
18216..18290

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o3.ts | Method | TBLASTX:Soybean |
| Start | 14547 | End | 18295 |
| GI | none | Score | 111 |

Exons 14547..14693, 14550..14693, 14554..14694, 14576..14704,
14838..14912, 14848..14910, 15873..15974, 15873..16004,
15874..16005, 16080..16145, 16080..16145, 16081..16146,
16316..16390, 16324..16392, 16345..16404, 16468..16593,
16469..16567, 16470..16568, 16689..16775, 16699..16776,
16937..17008, 16938..17000, 17103..17216, 17104..17214,
17117..17215, 17318..17359, 17319..17351, 17446..17502,
17451..17498, 17624..17683, 17629..17691, 18218..18295,
18219..18290

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o4.tw | Method | TBLASTX:Wheat |
| Start | 16510 | End | 18316 |
| GI | none | Score | 85 |

Exons 16510..16569, 16511..16570, 16514..16594, 16515..16583,
16689..16775, 16699..16776, 16700..16789, 16935..17000,
16937..17005, 16938..17000, 17103..17216, 17110..17214,
17318..17359, 17322..17351, 17446..17502, 17451..17498,
17615..17686, 17629..17691, 17697..17783, 18215..18316,
18216..18290

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o1.tw | Method | TBLASTX:Wheat |
| Start | 23198 | End | 24914 |
| GI | none | Score | 1774 |

Exons 23198..24913, 23232..24914

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o1.tc | Method | TBLASTX:Cress |
| Start | 23231 | End | 25992 |
| GI | none | Score | 867 |

Exons 23231..24937, 23238..24329, 24390..24911, 24950..24979,
25647..25826, 25651..25743, 25842..25991, 25861..25992

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |

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|---|---|---|---|
| Name | OJ990401_11.9922.C18.o1.ts | Method | TBLASTX:Soybean |
| Start | 23231 | End | 25992 |
| GI | none | Score | 172 |
| Exons | 23231..24934, 23238..23468, 23556..24329, 24399..24911, 24933..24980, 24935..24979, 25647..25823, 25651..25752, 25839..25991, 25870..25992 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o1.tm | Method | TBLASTX:Maize |
| Start | 23237 | End | 25995 |
| GI | none | Score | 304 |
| Exons | 23237..23542, 23238..23594, 23552..24979, 23553..24980, 25647..25994, 25651..25995 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o2.tw | Method | TBLASTX:Wheat |
| Start | 25669 | End | 39714 |
| GI | none | Score | 317 |
| Exons | 25669..25995, 25671..25994, 39592..39714 | | |

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|---|---|---|---|
| Seq. No. | 7050 | Seq. ID | OJ990401_11.9922.C18 |
| Gene No. | 14862 | Strand | - |
| Start | 39554 | End | 40668 |
| Name | OJ990401_11.9922.C18.o8.np | Method | AAT/NAP |
| Start | 39554 | End | 40668 |
| GI | 5305335 | Score | 195 |
| Exons | 39554..40668 | | |
| GI Descrip. | (AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis] | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14863 | Strand | + |
| Start | 67 | End | 388 |
| Name | OJ990401_11.9922.C19.o1.gs | Method | GENSCAN |
| Start | 67 | End | 388 |
| GI | none | Score | .4 |
| Exons | 67..188, 376..388 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14864 | Strand | + |
| Start | 7957 | End | 10713 |
| Name | OJ990401_11.9922.C19.o3.gs | Method | GENSCAN |
| Start | 7957 | End | 10713 |
| GI | none | Score | .4 |
| Exons | 7957..8006, 9777..9825, 10504..10713 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14865 | Strand | + |
| Start | 23649 | End | 37850 |
| Name | OJ990401_11.9922.C19.o3.np | Method | AAT/NAP |
| Start | 23649 | End | 37850 |
| GI | 6694371 | Score | 30 |
| Exons | 23649..23732, 24963..25018, 37703..37850 | | |

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|---|---|---|---|
| GI Descrip. | (AF200187) EBNA2-like protein [cercopithicine herpesvirus 15] | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14865 | Strand | + |
| Start | 23649 | End | 37850 |
| Name | OJ990401_11.9922.C19.o4.np | Method | AAT/NAP |
| Start | 33540 | End | 37180 |
| GI | 6729496 | Score | 684 |
| Exons | 33540..33662, 34627..34724, 34917..34947, 35727..35826, 36617..36687, 36828..36971, 37103..37180 | | |
| GI Descrip. | (AL132966) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14865 | Strand | + |
| Start | 23649 | End | 37850 |
| Name | OJ990401_11.9922.C19.o8.gs | Method | GENSCAN |
| Start | 33555 | End | 37246 |
| GI | none | Score | .83 |
| Exons | 33555..33662, 34627..34724, 34917..34947, 35727..35826, 36617..36687, 36828..36971, 37103..37246 | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14866 | Strand | - |
| Start | 1338 | End | 4182 |
| Name | OJ990401_11.9922.C19.o2.gs | Method | GENSCAN |
| Start | 1338 | End | 4182 |
| GI | none | Score | .92 |
| Exons | 1338..3084, 3176..3709, 4061..4182 | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14866 | Strand | - |
| Start | 1338 | End | 4182 |
| Name | OJ990401_11.9922.C19.o1.np | Method | AAT/NAP |
| Start | 1341 | End | 3530 |
| GI | 3024363 | Score | 3248 |
| Exons | 1341..3084, 3176..3530 | | |
| GI Descrip. | PHENYLALANINE AMMONIA-LYASE gi\|1483610\|emb\|CAA68036\| (X99705) phenylalanine ammonia-lyase [Triticum aestivum] | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14867 | Strand | - |
| Start | 11525 | End | 16688 |
| Name | OJ990401_11.9922.C19.o4.gs | Method | GENSCAN |
| Start | 11525 | End | 15083 |
| GI | none | Score | .51 |
| Exons | 11525..11944, 12020..12170, 12436..12547, 14330..14390, 14712..15083 | | |
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14867 | Strand | - |
| Start | 11525 | End | 16688 |
| Name | OJ990401_11.9922.C19.o2.np | Method | AAT/NAP |
| Start | 13972 | End | 16688 |
| GI | 5257270 | Score | 145 |
| Exons | 13972..13999, 15207..15542, 16652..16688 | | |
| GI Descrip. | (AP000364) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14868 | Strand | - |
| Start | 17614 | End | 18333 |
| Name | OJ990401_11.9922.C19.o5.gs | Method | GENSCAN |
| Start | 17614 | End | 18333 |
| GI | none | Score | .64 |
| Exons | 17614..17858, 17888..18042, 18248..18333 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 1333 | End | 3021 |
| GI | none | Score | 2256 |
| Exons | 1333..3021, 1338..3020 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o1.ts | Method | TBLASTX:Soybean |
| Start | 1336 | End | 3502 |
| GI | none | Score | 930 |
| Exons | 1336..2436, 1338..3038, 2256..2546, 2500..3036, 3042..3086, 3175..3336, 3179..3310, 3379..3501, 3380..3502 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o1.tc | Method | TBLASTX:Cress |
| Start | 1338 | End | 3505 |
| GI | none | Score | 912 |
| Exons | 1338..3053, 1345..2436, 2229..2528, 2497..3045, 3057..3086, 3058..3087, 3175..3336, 3179..3310, 3364..3501, 3379..3501, 3380..3505 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 1344 | End | 3674 |
| GI | none | Score | 281 |
| Exons | 1344..1682, 1344..1655, 1662..3086, 1663..3090, 3175..3336, 3182..3322, 3352..3501, 3386..3517, 3386..3502, 3627..3674 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o2.tw | Method | TBLASTX:Wheat |
| Start | 3196 | End | 3689 |
| GI | none | Score | 121 |
| Exons | 3196..3336, 3197..3322, 3352..3501, 3379..3501, 3386..3517, 3618..3689 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14869 | Strand | - |
| Start | 21442 | End | 27488 |
| Name | OJ990401_11.9922.C19.o6.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 21442 | End | 27488 |
| GI | none | Score | .67 |
| Exons | 21442..21535, 21732..21891, 23167..23357, 23859..24009, 27413..27488 | | |

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| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14870 | Strand | |
| Start | 35439 | End | 36704 |
| Name | OJ990401_11.9922.C19.o2.tm | Method | TBLASTX:Maize |
| Start | 35439 | End | 36704 |
| GI | none | Score | 79 |
| Exons | 35439..35507, 35443..35508, 35694..35828, 35702..35827, 35771..35833, 36615..36704, 36616..36690 | | |

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|---|---|---|---|
| Seq. No. | 7051 | Seq. ID | OJ990401_11.9922.C19 |
| Gene No. | 14871 | Strand | |
| Start | 36828 | End | 37186 |
| Name | OJ990401_11.9922.C19.o2.ts | Method | TBLASTX:Soybean |
| Start | 36828 | End | 37186 |
| GI | none | Score | 202 |
| Exons | 36828..36971, 36828..36977, 36836..36979, 37097..37186 | | |

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|---|---|---|---|
| Seq. No. | 7052 | Seq. ID | OJ990401_11.9922.C20 |
| Gene No. | 14872 | Strand | - |
| Start | 487 | End | 5733 |
| Name | OJ990401_11.9922.C20.o1.gs | Method | GENSCAN |
| Start | 487 | End | 5733 |
| GI | none | Score | .74 |
| Exons | 487..585, 671..991, 1380..1633, 1697..2140, 2336..2591, 2684..2774, 2799..2945, 3050..5733 | | |

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|---|---|---|---|
| Seq. No. | 7052 | Seq. ID | OJ990401_11.9922.C20 |
| Gene No. | 14872 | Strand | - |
| Start | 487 | End | 5733 |
| Name | OJ990401_11.9922.C20.o1.np | Method | AAT/NAP |
| Start | 1683 | End | 5622 |
| GI | 5441880 | Score | 2041 |
| Exons | 1683..2110, 2400..2445, 2684..2945, 3050..3876, 4135..4166, 4611..5622 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7052 | Seq. ID | OJ990401_11.9922.C20 |
| Gene No. | 14872 | Strand | - |
| Start | 487 | End | 5733 |
| Name | OJ990401_11.9922.C20.o1.gp | Method | AAT/GAP |
| Start | 2004 | End | 2436 |
| GI | LIB3433-020-P1-K1-A6 | Score | 706 |
| Exons | 2004..2436 | | |
| GI Descrip. | '5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7052 | Seq. ID | OJ990401_11.9922.C20 |
| Gene No. | 14872 | Strand | - |
| Start | 487 | End | 5733 |
| Name | OJ990401_11.9922.C20.o1.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 4384 | End | 4761 |
| GI | none | Score | 66 |
| Exons | 4384..4557, 4395..4535, 4490..4558, 4582..4758, 4612..4761 | | |

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|---|---|---|---|
| Seq. No. | 7052 | Seq. ID | OJ990401_11.9922.C20 |
| Gene No. | 14872 | Strand | - |
| Start | 487 | End | 5733 |
| Name | OJ990401_11.9922.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 4459 | End | 5055 |
| GI | none | Score | 166 |
| Exons | 4459..4530, 4577..4876, 4588..5055 | | |

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|---|---|---|---|
| Seq. No. | 7053 | Seq. ID | OJ990401_11.9922.C22 |
| Gene No. | 14873 | Strand | - |
| Start | 1 | End | 1127 |
| Name | OJ990401_11.9922.C22.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1127 |
| GI | 6907086 | Score | 1125 |
| Exons | 1..325, 384..1127 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7053 | Seq. ID | OJ990401_11.9922.C22 |
| Gene No. | 14873 | Strand | - |
| Start | 1 | End | 1127 |
| Name | OJ990401_11.9922.C22.o1.gs | Method | GENSCAN |
| Start | 132 | End | 934 |
| GI | none | Score | .58 |
| Exons | 132..246, 421..934 | | |

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|---|---|---|---|
| Seq. No. | 7053 | Seq. ID | OJ990401_11.9922.C22 |
| Gene No. | 14874 | Strand | - |
| Start | 1841 | End | 2480 |
| Name | OJ990401_11.9922.C22.o2.np | Method | AAT/NAP |
| Start | 1841 | End | 2480 |
| GI | 4680186 | Score | 169 |
| Exons | 1841..2238, 2410..2480 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14875 | Strand | + |
| Start | 284 | End | 357 |
| Name | OJ990401_11.9922.C23.o1.gs | Method | GENSCAN |
| Start | 284 | End | 357 |
| GI | none | Score | .98 |
| Exons | 284..357 | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14876 | Strand | - |
| Start | 148 | End | 622 |
| Name | OJ990401_11.9922.C23.o1.gp | Method | AAT/GAP |
| Start | 148 | End | 622 |
| GI | 38782_1.R1084 | Score | 825 |
| Exons | 148..622 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |

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|---|---|---|---|
| Gene No. | 14877 | Strand | - |
| Start | 797 | End | 4148 |
| Name | OJ990401_11.9922.C23.o2.gs | Method | GENSCAN |
| Start | 797 | End | 4148 |
| GI | none | Score | .87 |
| Exons | 797..960, 2028..2367, 2999..3091, 3177..3389, 3511..3764, 3919..4011, 4064..4148 | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14878 | Strand | - |
| Start | 4271 | End | 7378 |
| Name | OJ990401_11.9922.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 1997 | End | 3357 |
| GI | none | Score | 82 |
| Exons | 1997..2023, 2023..2163, 2023..2163, 2149..2367, 2157..2303, 2164..2367, 2322..2375, 2484..2552, 2485..2556, 2486..2557, 2999..3085, 3000..3092, 3177..3356, 3177..3356, 3178..3357 | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14878 | Strand | - |
| Start | 4271 | End | 7378 |
| Name | OJ990401_11.9922.C23.o3.tm | Method | TBLASTX:Maize |
| Start | 3550 | End | 3767 |
| GI | none | Score | 160 |
| Exons | 3550..3723, 3550..3756, 3563..3751, 3690..3767 | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14878 | Strand | - |
| Start | 4271 | End | 7378 |
| Name | OJ990401_11.9922.C23.o3.gs | Method | GENSCAN |
| Start | 4271 | End | 7366 |
| GI | none | Score | .52 |
| Exons | 4271..4582, 6611..7366 | | |

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|---|---|---|---|
| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14878 | Strand | - |
| Start | 4271 | End | 7378 |
| Name | OJ990401_11.9922.C23.o1.np | Method | AAT/NAP |
| Start | 6904 | End | 7334 |
| GI | 4699938 | Score | 49 |
| Exons | 6904..7334 | | |
| GI Descrip. | (AC007166) En/Spm-like transposon protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7054 | Seq. ID | OJ990401_11.9922.C23 |
| Gene No. | 14878 | Strand | - |
| Start | 4271 | End | 7378 |
| Name | OJ990401_11.9922.C23.o2.tm | Method | TBLASTX:Maize |
| Start | 7078 | End | 7378 |
| GI | none | Score | 50 |
| Exons | 7078..7152, 7078..7152, 7079..7153, 7131..7340, 7133..7336, 7148..7357, 7149..7358, 7322..7378 | | |

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|---|---|---|---|
| Seq. No. | 7055 | Seq. ID | OJ990401_11.9922.C24 |
| Gene No. | 14879 | Strand | - |
| Start | 1003 | End | 1154 |
| Name | OJ990401_11.9922.C24.o2.tm | Method | TBLASTX:Maize |
| Start | 301 | End | 746 |

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|---|---|---|---|
| GI | none | Score | 50 |
| Exons | 301..375, 302..376, 354..563, 356..559, 371..580, 372..581, 545..601, 659..745, 669..746 | | |
| Seq. No. | 7055 | Seq. ID | OJ990401_11.9922.C24 |
| Gene No. | 14879 | Strand | - |
| Start | 1003 | End | 1154 |
| Name | OJ990401_11.9922.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 847 | End | 1107 |
| GI | none | Score | 60 |
| Exons | 847..1107, 852..914, 854..1105, 975..1106 | | |
| Seq. No. | 7055 | Seq. ID | OJ990401_11.9922.C24 |
| Gene No. | 14879 | Strand | - |
| Start | 1003 | End | 1154 |
| Name | OJ990401_11.9922.C24.o1.np | Method | AAT/NAP |
| Start | 1003 | End | 1154 |
| GI | 5911167 | Score | 181 |
| Exons | 1003..1154 | | |
| GI Descrip. | (AF136221) putative transposase protein [Zea mays] | | |
| Seq. No. | 7056 | Seq. ID | OJ990401_11.9922.C26 |
| Gene No. | 14880 | Strand | - |
| Start | 302 | End | 470 |
| Name | OJ990401_11.9922.C26.o1.gs | Method | GENSCAN |
| Start | 302 | End | 470 |
| GI | none | Score | .81 |
| Exons | 302..470 | | |
| Seq. No. | 7057 | Seq. ID | OJ990701_11.9922.C2 |
| Gene No. | 14881 | Strand | + |
| Start | 215 | End | 377 |
| Name | OJ990701_11.9922.C2.o1.gs | Method | GENSCAN |
| Start | 215 | End | 377 |
| GI | none | Score | .51 |
| Exons | 215..377 | | |
| Seq. No. | 7057 | Seq. ID | OJ990701_11.9922.C2 |
| Gene No. | 14882 | Strand | - |
| Start | 1 | End | 307 |
| Name | OJ990701_11.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 293 |
| GI | 7406_1.R1084 | Score | 449 |
| Exons | 1..293 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |
| Seq. No. | 7057 | Seq. ID | OJ990701_11.9922.C2 |
| Gene No. | 14882 | Strand | - |
| Start | 1 | End | 307 |
| Name | OJ990701_11.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 307 |
| GI | 6721543 | Score | 99 |
| Exons | 1..23, 172..307 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |

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|---|---|---|---|
| Gene No. | 14883 | Strand | + |
| Start | 3 | End | 4565 |
| Name | OJ990701_11.9922.C3.o1.np | Method | AAT/NAP |
| Start | 3 | End | 968 |
| GI | 6721543 | Score | 91 |
| Exons | 3..75, 782..968 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14883 | Strand | + |
| Start | 3 | End | 4565 |
| Name | OJ990701_11.9922.C3.o1.gs | Method | GENSCAN |
| Start | 714 | End | 4287 |
| GI | none | Score | .71 |
| Exons | 714..1856, 2016..3156, 3303..3408, 3527..3658, 3722..3769, 3774..3991, 4127..4287 | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14883 | Strand | + |
| Start | 3 | End | 4565 |
| Name | OJ990701_11.9922.C3.o2.np | Method | AAT/NAP |
| Start | 981 | End | 3038 |
| GI | 5441880 | Score | 2262 |
| Exons | 981..1986, 2431..2462, 2721..3038 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14883 | Strand | + |
| Start | 3 | End | 4565 |
| Name | OJ990701_11.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 1585 | End | 2016 |
| GI | 5701669 | Score | 809 |
| Exons | 1585..2016 | | |
| GI Descrip. | 5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14883 | Strand | + |
| Start | 3 | End | 4565 |
| Name | OJ990701_11.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 4112 | End | 4565 |
| GI | LIB3431-045-P1-N1-A10 | Score | 876 |
| Exons | 4112..4565 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)' | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14884 | Strand | + |
| Start | 5407 | End | 8411 |
| Name | OJ990701_11.9922.C3.o4.gp | Method | AAT/GAP |
| Start | 5407 | End | 8411 |
| GI | 3768383 | Score | 686 |
| Exons | 5407..5618, 8248..8411 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14885 | Strand | + |
| Start | 8333 | End | 8956 |
| Name | OJ990701_11.9922.C3.o3.gs | Method | GENSCAN |
| Start | 8333 | End | 8956 |
| GI | none | Score | .99 |
| Exons | 8333..8956 | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14886 | Strand | + |
| Start | 10712 | End | 13731 |
| Name | OJ990701_11.9922.C3.o4.gs | Method | GENSCAN |
| Start | 10712 | End | 12711 |
| GI | none | Score | .87 |
| Exons | 10712..10807, 10812..11255, 12414..12601, 12681..12711 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14886 | Strand | + |
| Start | 10712 | End | 13731 |
| Name | OJ990701_11.9922.C3.o5.gp | Method | AAT/GAP |
| Start | 11013 | End | 13731 |
| GI | none | Score | 820 |
| Exons | 11013..11255, 13553..13731 | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14887 | Strand | + |
| Start | 13657 | End | 17634 |
| Name | OJ990701_11.9922.C3.o5.gs | Method | GENSCAN |
| Start | 13657 | End | 17634 |
| GI | none | Score | .92 |
| Exons | 13657..14620, 14725..14778, 14942..15031, 15105..15188, 15633..15680, 16622..16671, 17548..17634 | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14887 | Strand | + |
| Start | 13657 | End | 17634 |
| Name | OJ990701_11.9922.C3.o6.gp | Method | AAT/GAP |
| Start | 14060 | End | 14623 |
| GI | 9093_1.R1084 | Score | 1079 |
| Exons | 14060..14623 | | |
| GI Descrip. | '4388818/gb\|AAD19773\| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]' | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14887 | Strand | + |
| Start | 13657 | End | 17634 |
| Name | OJ990701_11.9922.C3.o7.gp | Method | AAT/GAP |
| Start | 15106 | End | 16206 |
| GI | none | Score | 1041 |
| Exons | 15106..15188, 15633..15680, 15777..16206 | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14888 | Strand | - |
| Start | 3712 | End | 4928 |
| Name | OJ990701_11.9922.C3.o3.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 3712 | End | 4928 |
| GI | 6721543 | Score | 101 |
| Exons | 3712..3752, 4071..4146, 4800..4928 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14888 | Strand | - |
| Start | 3712 | End | 4928 |
| Name | OJ990701_11.9922.C3.o3.gp | Method | AAT/GAP |
| Start | 4508 | End | 4914 |
| GI | 7406_1.R1084 | Score | 661 |
| Exons | 4508..4914 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14889 | Strand | - |
| Start | 6365 | End | 6904 |
| Name | OJ990701_11.9922.C3.o2.gs | Method | GENSCAN |
| Start | 6365 | End | 6904 |
| GI | none | Score | .81 |
| Exons | 6365..6442, 6866..6904 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14890 | Strand | - |
| Start | 18994 | End | 22187 |
| Name | OJ990701_11.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 1542 | End | 2138 |
| GI | none | Score | 90 |
| Exons | 1542..1670, 1550..1648, 1704..2003, 1721..1942, 2067..2138 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14890 | Strand | - |
| Start | 18994 | End | 22187 |
| Name | OJ990701_11.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 1836 | End | 2216 |
| GI | none | Score | 183 |
| Exons | 1836..2030, 1845..2042, 2036..2155, 2040..2216, 2040..2186 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14890 | Strand | - |
| Start | 18994 | End | 22187 |
| Name | OJ990701_11.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 18570 | End | 20981 |
| GI | none | Score | 73 |
| Exons | 18570..18647, 18570..18647, 18571..18666, 18640..18717, 18663..18728, 18674..18727, 18808..18942, 18808..18927, 18838..18885, 18945..19151, 18974..19159, 18980..19162, 19258..19353, 19260..19355, 19263..19358, 20039..20152, 20051..20152, 20085..20156, 20732..20818, 20737..20793, 20798..20974, 20808..20981 | | |

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| Seq. No. | 7058 | Seq. ID | OJ990701_11.9922.C3 |
| Gene No. | 14890 | Strand | - |
| Start | 18994 | End | 22187 |
| Name | OJ990701_11.9922.C3.o6.gs | Method | GENSCAN |
| Start | 18994 | End | 22187 |

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|---|---|---|---|
| GI | none | Score | .87 |
| Exons | 18994..19148, 19262..19352, 19833..19883, 20054..20155, 20735..20980, 21363..21550, 21681..21706, 21860..21969, 22066..22187 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14891 | Strand | + |
| Start | 11070 | End | 11598 |
| Name | OJ990701_11.9922.C4.o5.gp | Method | AAT/GAP |
| Start | 11070 | End | 11598 |
| GI | uC-osflcyp115h04a1 | Score | 1054 |
| Exons | 11070..11598 | | |
| GI Descrip. | '4680338/gb\|AAD27629.1\|AF128457_3 2.0e-22 (AF128457) hypothetical protein [Oryza sativa subsp. indica]' | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14892 | Strand | + |
| Start | 12534 | End | 12759 |
| Name | OJ990701_11.9922.C4.o3.np | Method | AAT/NAP |
| Start | 12534 | End | 12759 |
| GI | 1934994 | Score | 50 |
| Exons | 12534..12759 | | |
| GI Descrip. | (Y12424) SGRP-1 [Solanum commersonii] | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o1.gs | Method | GENSCAN |
| Start | 7 | End | 4868 |
| GI | none | Score | .9 |
| Exons | 7..220, 1395..1586, 2095..2144, 3572..4031, 4557..4868 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 960 | End | 1155 |
| GI | 4714370 | Score | 365 |
| Exons | 960..1155 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1362 | End | 4904 |
| GI | 4835793 | Score | 957 |
| Exons | 1362..1559, 1680..1776, 1882..2012, 2095..2144, 3566..4031, 4557..4659, 4747..4904 | | |
| GI Descrip. | (AC007296) Similar to gb\|U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF\|00076 RNA recognition motif domains. ESTs gb\|T44278, gb\|R65195, gb\|N65904, gb\|H37499, gb\|R90487, gb\|N95952, gb\|T4427... | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o3.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 1849 | End | 2146 |
| GI | 30207_1.R1084 | Score | 290 |
| Exons | 1849..2012, 2095..2146 | | |
| GI Descrip. | '4835793/gb\|AAD30259.1\|AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427' | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o2.gp | Method | AAT/GAP |
| Start | 1882 | End | 2146 |
| GI | 30207_1.R1084 | Score | 296 |
| Exons | 1882..2012, 2095..2146 | | |
| GI Descrip. | '4835793/gb\|AAD30259.1\|AC007296_20 6.0e-57 (AC007296) Similar to gb_U90212 DNA binding protein ACBF from Nicotiana tabacum and contains 3 PF_00076 RNA recognition motif domains. ESTs gb_T44278, gb_R65195, gb_N65904, gb_H37499, gb_R90487, gb_N95952, gb_T4427' | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14893 | Strand | - |
| Start | 7 | End | 4952 |
| Name | OJ990701_11.9922.C4.o4.gp | Method | AAT/GAP |
| Start | 4701 | End | 4952 |
| GI | 4879754 | Score | 448 |
| Exons | 4701..4952 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14894 | Strand | - |
| Start | 5679 | End | 6800 |
| Name | OJ990701_11.9922.C4.o2.gs | Method | GENSCAN |
| Start | 5679 | End | 6800 |
| GI | none | Score | .93 |
| Exons | 5679..6800 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14895 | Strand | - |
| Start | 10552 | End | 12771 |
| Name | OJ990701_11.9922.C4.o2.np | Method | AAT/NAP |
| Start | 10552 | End | 12409 |
| GI | 6862923 | Score | 665 |
| Exons | 10552..10633, 11316..12409 | | |
| GI Descrip. | (AC018907) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14895 | Strand | - |
| Start | 10552 | End | 12771 |
| Name | OJ990701_11.9922.C4.o6.gp | Method | AAT/GAP |
| Start | 12250 | End | 12771 |
| GI | none | Score | 965 |
| Exons | 12250..12771 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14896 | Strand | - |

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|---|---|---|---|
| Start | 12784 | End | 14715 |
| Name | OJ990701_11.9922.C4.o4.np | Method | AAT/NAP |
| Start | 12784 | End | 14703 |
| GI | 6862923 | Score | 553 |
| Exons | 12784..12868, 13592..14703 | | |
| GI Descrip. | (AC018907) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14896 | Strand | - |
| Start | 12784 | End | 14715 |
| Name | OJ990701_11.9922.C4.o4.gs | Method | GENSCAN |
| Start | 13588 | End | 14715 |
| GI | none | Score | .84 |
| Exons | 13588..14715 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 1415 | End | 4644 |
| GI | none | Score | 77 |
| Exons | 1415..1507, 1432..1488, 1433..1501, 1502..1591, 1502..1588, 1674..1775, 1674..1784, 1678..1791, 1681..1779, 1694..1801, 1871..2011, 1881..2012, 1882..2013, 2092..2145, 2092..2145, 2096..2146, 2097..2147, 3585..4034, 3586..4032, 3588..4034, 3918..4040, 4538..4615, 4551..4643, 4555..4644 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 1662 | End | 4644 |
| GI | none | Score | 89 |
| Exons | 1662..1778, 1663..1779, 1674..1778, 1681..1782, 1881..2009, 1881..2012, 1897..2013, 2092..2154, 3588..3875, 3598..3855, 3615..3713, 3639..3770, 3777..3863, 3866..4006, 3870..4058, 3871..4032, 3918..4040, 4554..4643, 4555..4644 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 1680 | End | 4644 |
| GI | none | Score | 89 |
| Exons | 1680..1769, 1681..1773, 1890..2012, 1894..2007, 2092..2139, 3594..3872, 3594..3872, 3595..3873, 3624..3770, 3870..3899, 3903..4034, 3907..4026, 3918..4040, 4554..4643, 4558..4644 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 3642 | End | 4040 |
| GI | none | Score | 159 |
| Exons | 3642..3842, 3646..3834, 3918..4040 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |

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|---|---|---|---|
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 5751 | End | 14662 |
| GI | none | Score | 80 |
| Exons | 5751..5993, 6013..6219, 6027..6284, 6618..6773, 6619..6732, 11327..11599, 11328..11510, 11574..11597, 11630..11848, 11631..11825, 11924..12049, 12093..12146, 12182..12307, 12189..12341, 12332..12388, 13600..13872, 13604..13870, 13897..14019, 13937..14020, 14003..14086, 14023..14190, 14347..14661, 14375..14662 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 5781 | End | 14250 |
| GI | none | Score | 99 |
| Exons | 5781..5993, 6013..6240, 6027..6284, 11333..11599, 11336..11578, 11337..11597, 11628..11837, 11630..11857, 11630..11929, 11924..12025, 13598..13870, 13606..13872, 13897..14019, 14023..14190, 14209..14250 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 5781 | End | 13993 |
| GI | none | Score | 90 |
| Exons | 5781..5993, 5794..5919, 6027..6104, 11333..11602, 11336..11530, 11367..11603, 11630..11704, 11634..11699, 13592..13876, 13603..13875, 13897..13989, 13928..13993 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 5832 | End | 13989 |
| GI | none | Score | 51 |
| Exons | 5832..5996, 6033..6098, 11333..11419, 11432..11593, 11630..11704, 13606..13692, 13607..13693, 13711..13866, 13718..13858, 13912..13989 | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 6477 | End | 14703 |
| GI | none | Score | 65 |
| Exons | 6477..6611, 6612..6767, 6618..6785, 6619..6786, 12188..12367, 12189..12368, 14371..14703, 14372..14641 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o3.tc | Method | TBLASTX:Cress |
| Start | 6510 | End | 14650 |

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|---|---|---|---|
| GI | none | Score | 79 |
| Exons | 6510..6611, 6618..6776, 12188..12307, 14347..14640, 14363..14650 | | |

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| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o7.gp | Method | AAT/GAP |
| Start | 15593 | End | 16162 |
| GI | uC-osroM202020b06a1 | Score | 615 |
| Exons | 15593..15975, 16122..16162 | | |
| GI Descrip. | '4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes' | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o8.gp | Method | AAT/GAP |
| Start | 15593 | End | 16166 |
| GI | uC-osroM202020b06a1 | Score | 613 |
| Exons | 15593..15975, 16122..16166 | | |
| GI Descrip. | '4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes' | | |

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|---|---|---|---|
| Seq. No. | 7059 | Seq. ID | OJ990701_11.9922.C4 |
| Gene No. | 14897 | Strand | - |
| Start | 15767 | End | 19797 |
| Name | OJ990701_11.9922.C4.o5.gs | Method | GENSCAN |
| Start | 15767 | End | 19797 |
| GI | none | Score | .72 |
| Exons | 15767..15824, 15905..15940, 16766..16841, 19737..19797 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14898 | Strand | + |
| Start | 3212 | End | 14975 |
| Name | OJ990701_11.9922.C5.o2.np | Method | AAT/NAP |
| Start | 3212 | End | 14975 |
| GI | 4455224 | Score | 2622 |
| Exons | 3212..3745, 3777..4469, 4546..4742, 4860..5247, 5486..5970, 6741..6894, 6981..8791, 8821..10346, 10538..10693, 11433..11636, 11725..11928, 12344..12488, 13451..13803, 14061..14486, 14599..14672, 14777..14975 | | |
| GI Descrip. | (AL035440) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14898 | Strand | + |
| Start | 3212 | End | 14975 |
| Name | OJ990701_11.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 12392 | End | 14106 |
| GI | uC-osf1M202016g08b1 | Score | 968 |
| Exons | 12392..12502, 13453..13803, 14061..14106 | | |
| GI Descrip. | '3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14899 | Strand | + |
| Start | 20745 | End | 21026 |

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|---|---|---|---|
| Name | OJ990701_11.9922.C5.o4.gs | Method | GENSCAN |
| Start | 20745 | End | 21026 |
| GI | none | Score | .76 |
| Exons | 20745..21026 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14900 | Strand | + |
| Start | 31013 | End | 33980 |
| Name | OJ990701_11.9922.C5.o6.gs | Method | GENSCAN |
| Start | 31013 | End | 33980 |
| GI | none | Score | .94 |
| Exons | 31013..31390, 32840..32965, 33045..33980 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14900 | Strand | + |
| Start | 31013 | End | 33980 |
| Name | OJ990701_11.9922.C5.o4.np | Method | AAT/NAP |
| Start | 31430 | End | 33763 |
| GI | 6006900 | Score | 366 |
| Exons | 31430..31511, 33201..33763 | | |
| GI Descrip. | (AC008153) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14901 | Strand | + |
| Start | 34116 | End | 39620 |
| Name | OJ990701_11.9922.C5.o7.gs | Method | GENSCAN |
| Start | 34116 | End | 39620 |
| GI | none | Score | .53 |
| Exons | 34116..34385, 34424..34594, 35129..35271, 36652..36819, 36839..36971, 37009..37190, 38347..38422, 38590..38673, 38757..39620 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14901 | Strand | + |
| Start | 34116 | End | 39620 |
| Name | OJ990701_11.9922.C5.o6.np | Method | AAT/NAP |
| Start | 38130 | End | 39423 |
| GI | 2245131 | Score | 640 |
| Exons | 38130..38236, 38321..38422, 38590..38688, 38760..39423 | | |
| GI Descrip. | (Z97344) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14902 | Strand | + |
| Start | 40646 | End | 41059 |
| Name | OJ990701_11.9922.C5.o8.gs | Method | GENSCAN |
| Start | 40646 | End | 41059 |
| GI | none | Score | .99 |
| Exons | 40646..41059 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14903 | Strand | + |
| Start | 44121 | End | 52623 |
| Name | OJ990701_11.9922.C5.o9.gs | Method | GENSCAN |
| Start | 44121 | End | 52623 |
| GI | none | Score | .66 |
| Exons | 44121..44249, 44324..44462, 45161..45224, 45376..46847, 47150..47364, 47536..47806, 48376..48551, 49151..49260, | | |

49644..49746, 50154..50270, 50409..50537, 50777..50959,
51066..51197, 51291..51402, 51490..51613, 51935..52027,
52518..52623

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14903 | Strand | + |
| Start | 44121 | End | 52623 |
| Name | OJ990701_11.9922.C5.o4.gp | Method | AAT/GAP |
| Start | 45179 | End | 45557 |
| GI | 1631927 | Score | 542 |
| Exons | 45179..45224, 45315..45557 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14903 | Strand | + |
| Start | 44121 | End | 52623 |
| Name | OJ990701_11.9922.C5.o7.np | Method | AAT/NAP |
| Start | 46055 | End | 51822 |
| GI | 3057120 | Score | 3451 |
| Exons | 46055..46847, 47150..47364, 47536..47806, 48376..48551, 48623..48730, 49151..49260, 49644..49746, 50100..50270, 50409..50537, 50777..50959, 51066..51197, 51291..51402, 51490..51613, 51693..51822 | | |
| GI Descrip. | (AF023159) starch synthase DULL1 [Zea mays] | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14903 | Strand | + |
| Start | 44121 | End | 52623 |
| Name | OJ990701_11.9922.C5.o5.gp | Method | AAT/GAP |
| Start | 46496 | End | 47341 |
| GI | 3762097 | Score | 1036 |
| Exons | 46496..46847, 47150..47341 | | |
| GI Descrip. | 3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14904 | Strand | - |
| Start | 741 | End | 2089 |
| Name | OJ990701_11.9922.C5.o1.np | Method | AAT/NAP |
| Start | 641 | End | 2089 |
| GI | 6862923 | Score | 431 |
| Exons | 641..1548, 1767..2089 | | |
| GI Descrip. | (AC018907) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14904 | Strand | - |
| Start | 741 | End | 2089 |
| Name | OJ990701_11.9922.C5.o1.gs | Method | GENSCAN |
| Start | 741 | End | 2078 |
| GI | none | Score | .88 |
| Exons | 741..1466, 1788..2078 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14905 | Strand | - |
| Start | 16042 | End | 17321 |
| Name | OJ990701_11.9922.C5.o3.gs | Method | GENSCAN |
| Start | 16042 | End | 17321 |
| GI | none | Score | .95 |
| Exons | 16042..16308, 16403..16495, 16612..16710, 16815..16964, | | |

17052..17321

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14905 | Strand | - |
| Start | 16042 | End | 17321 |
| Name | OJ990701_11.9922.C5.o3.np | Method | AAT/NAP |
| Start | 16057 | End | 17299 |
| GI | 2147965 | Score | 772 |
| Exons | 16057..16308, 16403..16495, 16612..16710, 16815..16964, 17052..17299 | | |
| GI Descrip. | probable 1-acyl-sn-glycerol-3-phosphate acyltransferase - Limnanthes douglasii gi\|1067140\|emb\|CAA86877\| (Z46836) ORF [Limnanthes douglasii] | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14906 | Strand | - |
| Start | 21832 | End | 29957 |
| Name | OJ990701_11.9922.C5.o5.gs | Method | GENSCAN |
| Start | 21832 | End | 29957 |
| GI | none | Score | .73 |
| Exons | 21832..22016, 22258..22378, 23228..23302, 23761..23911, 24015..24705, 25625..26585, 28178..28255, 29277..29423, 29910..29957 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14907 | Strand | - |
| Start | 34480 | End | 34942 |
| Name | OJ990701_11.9922.C5.o2.gp | Method | AAT/GAP |
| Start | 34480 | End | 34942 |
| GI | none | Score | 914 |
| Exons | 34480..34942 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14908 | Strand | - |
| Start | 36580 | End | 36996 |
| Name | OJ990701_11.9922.C5.o5.np | Method | AAT/NAP |
| Start | 36580 | End | 36996 |
| GI | 6227007 | Score | 180 |
| Exons | 36580..36996 | | |
| GI Descrip. | (AC009360) EST gb\|T44882 comes from this gene. [Arabidopsis thaliana] | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14909 | Strand | - |
| Start | 39361 | End | 39879 |
| Name | OJ990701_11.9922.C5.o3.gp | Method | AAT/GAP |
| Start | 39361 | End | 39879 |
| GI | uC-osflcyp083g04a1 | Score | 1002 |
| Exons | 39361..39879 | | |
| GI Descrip. | '3057120 3.0e-53 (AF023159) starch synthase DULL1 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 726 | End | 1346 |
| GI | none | Score | 76 |

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|---|---|---|---|
| Exons | 726..1022, 1050..1346, 1150..1245 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 747 | End | 2019 |
| GI | none | Score | 96 |
| Exons | 747..1022, 748..957, 999..1154, 1050..1346, 1150..1314, 1851..2009, 1852..2019 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 753 | End | 1115 |
| GI | none | Score | 83 |
| Exons | 753..836, 849..1013, 1047..1115 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o5.tc | Method | TBLASTX:Cress |
| Start | 753 | End | 1115 |
| GI | none | Score | 116 |
| Exons | 753..1022, 784..963, 1050..1115 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 8152 | End | 34770 |
| GI | none | Score | 68 |
| Exons | 8152..8223, 33897..34163, 33898..34164, 33902..34165, 33926..34168, 34159..34446, 34178..34447, 34179..34448, 34439..34555, 34440..34583, 34457..34588, 34462..34653, 34462..34629, 34634..34699, 34649..34693, 34651..34728, 34651..34698, 34682..34747, 34695..34751, 34695..34769, 34696..34770 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 11867 | End | 14997 |
| GI | none | Score | 104 |
| Exons | 11867..11929, 12292..12453, 12339..12476, 12342..12473, 13444..13803, 13444..13803, 13452..13805, 14059..14277, 14078..14113, 14082..14117, 14091..14294, 14114..14260, 14115..14264, 14292..14318, 14320..14475, 14321..14470, 14322..14474, 14533..14676, 14545..14685, 14776..14997, 14778..14975 | | |
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o3.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 13564 | End | 14294 |
| GI | none | Score | 313 |
| Exons | 13564..13803, 13564..13803, 13566..13805, 14060..14122, 14060..14119, 14061..14129, 14082..14129, 14101..14265, 14110..14259, 14124..14294, 14124..14264, 14126..14293 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 32837 | End | 33896 |
| GI | none | Score | 197 |
| Exons | 32837..32971, 32839..32979, 32839..32967, 33042..33758, 33042..33443, 33086..33466, 33136..33522, 33501..33599, 33568..33744, 33656..33754, 33746..33895, 33747..33896, 33747..33896 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 33228 | End | 33548 |
| GI | none | Score | 340 |
| Exons | 33228..33548, 33231..33401, 33501..33542 | | |

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| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 33420 | End | 33741 |
| GI | none | Score | 377 |
| Exons | 33420..33734, 33622..33741 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o6.tc | Method | TBLASTX:Cress |
| Start | 33558 | End | 33758 |
| GI | none | Score | 100 |
| Exons | 33558..33596, 33559..33732, 33579..33758, 33634..33753 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 34178 | End | 34569 |
| GI | none | Score | 351 |
| Exons | 34178..34462, 34179..34463, 34453..34527, 34454..34528, 34461..34529, 34513..34569, 34529..34567 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o6.ts | Method | TBLASTX:Soybean |
| Start | 36628 | End | 36834 |
| GI | none | Score | 86 |
| Exons | 36628..36834, 36638..36796 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o9.tm | Method | TBLASTX:Maize |
| Start | 36628 | End | 36846 |
| GI | none | Score | 186 |
| Exons | 36628..36834, 36638..36805, 36811..36846 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 38121 | End | 39197 |
| GI | none | Score | 97 |
| Exons | 38121..38231, 38129..38233, 38581..38673, 38589..38669, 38766..39197, 38771..39106 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 38123 | End | 39200 |
| GI | none | Score | 112 |
| Exons | 38123..38224, 38130..38231, 38330..38422, 38581..38664, 38589..38678, 38768..39106, 38769..39200 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 38129 | End | 39206 |
| GI | none | Score | 118 |
| Exons | 38129..38245, 38130..38231, 38345..38422, 38345..38422, 38508..38546, 38578..38649, 38581..38664, 38589..38663, 38764..39027, 38768..39106, 38769..39206 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 38954 | End | 39213 |
| GI | none | Score | 315 |
| Exons | 38954..39190, 38955..39206, 39057..39206, 39088..39213 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o12.tm | Method | TBLASTX:Maize |
| Start | 45396 | End | 45725 |
| GI | none | Score | 104 |
| Exons | 45396..45548, 45396..45467, 45401..45550, 45401..45538, 45481..45555, 45506..45682, 45579..45689, 45654..45698, 45705..45725 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |

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|---|---|---|---|
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922:C5.o10.tm | Method | TBLASTX:Maize |
| Start | 46064 | End | 46261 |
| GI | none | Score | 275 |
| Exons | 46064..46261, 46064..46255, 46108..46257 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o8.tm | Method | TBLASTX:Maize |
| Start | 46262 | End | 46515 |
| GI | none | Score | 321 |
| Exons | 46262..46456, 46269..46475, 46269..46454, 46273..46515, 46273..46455 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 46658 | End | 47808 |
| GI | none | Score | 80 |
| Exons | 46658..46777, 47159..47365, 47167..47325, 47533..47805, 47547..47807, 47584..47808, 47592..47807 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o11.tm | Method | TBLASTX:Maize |
| Start | 48373 | End | 48726 |
| GI | none | Score | 123 |
| Exons | 48373..48489, 48375..48485, 48382..48486, 48392..48490, 48486..48554, 48491..48565, 48492..48551, 48499..48564, 48614..48712, 48620..48682, 48622..48723, 48622..48726 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o5.ts | Method | TBLASTX:Soybean |
| Start | 48394 | End | 48716 |
| GI | none | Score | 83 |
| Exons | 48394..48513, 48396..48554, 48401..48553, 48595..48714, 48614..48715, 48624..48716 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 49156 | End | 51832 |
| GI | none | Score | 152 |
| Exons | 49156..49260, 49157..49261, 49644..49751, 49645..49746, 50090..50272, 50099..50272, 50100..50279, 50100..50279, 50408..50545, 50409..50543, 50416..50553, 50417..50545, 50768..50971, 50775..50840, 50776..50961, 51058..51147, 51065..51196, 51066..51200, 51291..51404, 51296..51403, 51436..51600, 51469..51612, 51489..51614, 51489..51620, 51690..51824, 51691..51825, 51700..51831, 51701..51832 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 50194 | End | 51832 |
| GI | none | Score | 98 |
| Exons | 50194..50271, 50195..50272, 50195..50272, 50196..50279, 50196..50279, 50408..50545, 50409..50543, 50416..50553, 50417..50545, 50768..50971, 50775..50840, 50776..50961, 51058..51147, 51065..51196, 51065..51196, 51066..51200, 51291..51404, 51296..51403, 51436..51600, 51469..51612, 51489..51614, 51489..51620, 51690..51824, 51691..51825, 51700..51831, 51701..51832 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 50900 | End | 51406 |
| GI | none | Score | 105 |
| Exons | 50900..50971, 50902..50961, 51065..51196, 51066..51200, 51290..51406, 51291..51404 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o4.tc | Method | TBLASTX:Cress |
| Start | 51531 | End | 51828 |
| GI | none | Score | 104 |
| Exons | 51531..51611, 51554..51607, 51690..51818, 51694..51816, 51694..51828 | | |

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|---|---|---|---|
| Seq. No. | 7060 | Seq. ID | OJ990701_11.9922.C5 |
| Gene No. | 14910 | Strand | - |
| Start | 52510 | End | 52633 |
| Name | OJ990701_11.9922.C5.o8.np | Method | AAT/NAP |
| Start | 52510 | End | 52633 |
| GI | 1785613 | Score | 86 |
| Exons | 52510..52633 | | |
| GI Descrip. | (U83274) polyphenol oxidase [Vitis vinifera] | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14911 | Strand | + |
| Start | 2852 | End | 6024 |
| Name | OJ990701_11.9922.C6.o3.gs | Method | GENSCAN |
| Start | 2852 | End | 6024 |
| GI | none | Score | .41 |
| Exons | 2852..2935, 2947..3120, 3199..3362, 5781..5867, 5895..6024 | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1888 |
| GI | 1172584 | Score | 1039 |
| Exons | 1..436, 546..803, 1285..1888 | | |
| GI Descrip. | POLYPHENOL OXIDASE PRECURSOR (PPO) (CATECHOL OXIDASE) | | |

gi|1076478|pir||S52984 catechol oxidase (EC 1.10.3.1) precursor - apple tree gi|507280 (L29450) polyphenol oxidase [Malus domestica]

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 20 | End | 1423 |
| GI | none | Score | 147 |
| Exons | 20..175, 194..448, 252..410, 287..448, 491..505, 603..809, 655..756, 1298..1423, 1299..1418 | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o1.gs | Method | GENSCAN |
| Start | 53 | End | 878 |
| GI | none | Score | .61 |
| Exons | 53..423, 542..878 | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 131 | End | 464 |
| GI | none | Score | 327 |
| Exons | 131..193, 192..464, 194..439 | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 597 | End | 803 |
| GI | none | Score | 87 |
| Exons | 597..803, 664..753 | | |

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|---|---|---|---|
| Seq. No. | 7061 | Seq. ID | OJ990701_11.9922.C6 |
| Gene No. | 14912 | Strand | - |
| Start | 1 | End | 1894 |
| Name | OJ990701_11.9922.C6.o2.gs | Method | GENSCAN |
| Start | 1216 | End | 1894 |
| GI | none | Score | 1 |
| Exons | 1216..1227, 1289..1894 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14913 | Strand | + |
| Start | 4258 | End | 10347 |
| Name | OJ990701_11.9922.C7.o1.np | Method | AAT/NAP |
| Start | 4258 | End | 10311 |
| GI | 5922631 | Score | 6674 |
| Exons | 4258..4382, 4641..4879, 5114..5323, 5369..5934, 5977..6127, 6254..7177, 7784..10311 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs | | |

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14913 | Strand | + |
| Start | 4258 | End | 10347 |
| Name | OJ990701_11.9922.C7.o3.gs | Method | GENSCAN |
| Start | 4258 | End | 10347 |
| GI | none | Score | .92 |
| Exons | 4258..7169, 7266..10347 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14914 | Strand | - |
| Start | 2744 | End | 3567 |
| Name | OJ990701_11.9922.C7.o2.gs | Method | GENSCAN |
| Start | 2744 | End | 3567 |
| GI | none | Score | .53 |
| Exons | 2744..2908, 2947..3567 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14915 | Strand | - |
| Start | 3823 | End | 4130 |
| Name | OJ990701_11.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 3823 | End | 4130 |
| GI | 5816559 | Score | 502 |
| Exons | 3823..4130 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14916 | Strand | - |
| Start | 10664 | End | 16611 |
| Name | OJ990701_11.9922.C7.o4.gs | Method | GENSCAN |
| Start | 10664 | End | 16611 |
| GI | none | Score | .67 |
| Exons | 10664..11112, 11185..11289, 11357..11546, 11622..11809, 11884..12514, 12733..13879, 15049..15291, 16046..16611 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14916 | Strand | - |
| Start | 10664 | End | 16611 |
| Name | OJ990701_11.9922.C7.o2.np | Method | AAT/NAP |
| Start | 10667 | End | 13617 |
| GI | 6691716 | Score | 2379 |
| Exons | 10667..11112, 11185..11289, 11435..11546, 11622..11816, 11984..12275, 12357..12549, 12747..13617 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14916 | Strand | - |
| Start | 10664 | End | 16611 |
| Name | OJ990701_11.9922.C7.o3.np | Method | AAT/NAP |
| Start | 13825 | End | 16439 |

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|---|---|---|---|
| GI | 1172587 | Score | 428 |
| Exons | 13825..13854, 15085..15291, 15983..16439 | | |
| GI Descrip. | POLYPHENOL OXIDASE PRECURSOR (PPO) (CATECHOL OXIDASE) gi\|1076272\|pir\|\|S52629 catechol oxidase (EC 1.10.3.1) precursor - grape gi\|510234\|emb\|CAA81798\| (Z27411) polyphenol oxidase [Vitis vinifera] | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14916 | Strand | - |
| Start | 10664 | End | 16611 |
| Name | OJ990701_11.9922.C7.o2.gp | Method | AAT/GAP |
| Start | 14697 | End | 15004 |
| GI | 5816559 | Score | 498 |
| Exons | 14697..15004 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 2759 | End | 16114 |
| GI | none | Score | 99 |
| Exons | 2759..2917, 2944..3003, 3010..3120, 3142..3168, 3175..3570, 3374..3532, 15084..15161, 15171..15293, 15175..15288, 15979..16032, 15996..16112, 16043..16114 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 2795 | End | 15309 |
| GI | none | Score | 63 |
| Exons | 2795..2890, 2801..2872, 15126..15293, 15142..15309, 15147..15290, 15149..15169, 15167..15289 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 3256 | End | 3583 |
| GI | none | Score | 164 |
| Exons | 3256..3561, 3359..3583 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o7.tw | Method | TBLASTX:Wheat |
| Start | 5538 | End | 5940 |
| GI | none | Score | 294 |
| Exons | 5538..5807, 5539..5940 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o6.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 6517 | End | 6974 |
| GI | none | Score | 150 |
| Exons | 6517..6693, 6580..6693, 6738..6974, 6742..6972 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 7194 | End | 7650 |
| GI | none | Score | 485 |
| Exons | 7194..7649, 7195..7650 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 7234 | End | 7599 |
| GI | none | Score | 138 |
| Exons | 7234..7458, 7465..7599 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 7324 | End | 7680 |
| GI | none | Score | 375 |
| Exons | 7324..7680, 7365..7670 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 7765 | End | 8189 |
| GI | none | Score | 444 |
| Exons | 7765..8184, 7809..8189 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 7843 | End | 8244 |
| GI | none | Score | 311 |
| Exons | 7843..8244, 7860..8003, 8040..8210 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 7911 | End | 8355 |
| GI | none | Score | 276 |
| Exons | 7911..8165, 7912..8166, 7936..8172, 8187..8318, 8188..8331, 8329..8355 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o8.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 8193 | End | 8475 |
| GI | none | Score | 276 |
| Exons | 8193..8270, 8194..8475, 8329..8463 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 8470 | End | 8858 |
| GI | none | Score | 261 |
| Exons | 8470..8856, 8478..8858 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 8479 | End | 8901 |
| GI | none | Score | 413 |
| Exons | 8479..8901, 8487..8891 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o7.tm | Method | TBLASTX:Maize |
| Start | 8731 | End | 8985 |
| GI | none | Score | 193 |
| Exons | 8731..8985 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o10.tw | Method | TBLASTX:Wheat |
| Start | 8917 | End | 9216 |
| GI | none | Score | 130 |
| Exons | 8917..9051, 9076..9216 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 9213 | End | 9576 |
| GI | none | Score | 450 |
| Exons | 9213..9524, 9214..9537, 9234..9557, 9528..9575, 9529..9576 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 9219 | End | 9606 |
| GI | none | Score | 420 |
| Exons | 9219..9530, 9220..9606, 9415..9606 | | |

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|---|---|---|---|
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o8.tm | Method | TBLASTX:Maize |
| Start | 9678 | End | 9951 |

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|---|---|---|---|
| GI | none | Score | 95 |
| Exons | 9678..9785, 9679..9777, 9768..9842, 9772..9855, 9865..9951 | | |
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o5.tw | Method | TBLASTX:Wheat |
| Start | 9721 | End | 10335 |
| GI | none | Score | 273 |
| Exons | 9721..9999, 9741..9830, 9882..9983, 10054..10212, 10198..10335 | | |
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 10063 | End | 10296 |
| GI | none | Score | 148 |
| Exons | 10063..10215, 10194..10295, 10195..10296 | | |
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o9.tw | Method | TBLASTX:Wheat |
| Start | 13207 | End | 13497 |
| GI | none | Score | 219 |
| Exons | 13207..13497 | | |
| Seq. No. | 7062 | Seq. ID | OJ990701_11.9922.C7 |
| Gene No. | 14917 | Strand | - |
| Start | 17442 | End | 20645 |
| Name | OJ990701_11.9922.C7.o5.gs | Method | GENSCAN |
| Start | 17442 | End | 20645 |
| GI | none | Score | .81 |
| Exons | 17442..17558, 17616..17635, 20546..20645 | | |
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1408 |
| GI | 4158170 | Score | 211 |
| Exons | 1..466, 1173..1408 | | |
| GI Descrip. | (AJ006097) catechol oxidase [Ipomoea batatas] | | |
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o2.np | Method | AAT/NAP |
| Start | 1 | End | 2460 |
| GI | 2293360 | Score | 211 |
| Exons | 1..379, 1010..1403, 2434..2460 | | |
| GI Descrip. | (D87670) polyphenol oxidase [Malus domestica] | | |
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 100 | End | 1406 |
| GI | none | Score | 75 |
| Exons | 100..135, 179..259, 1173..1223, 1232..1309, 1233..1307, 1309..1356, 1310..1348, 1353..1406 | | |

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|---|---|---|---|
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o1.gs | Method | GENSCAN |
| Start | 125 | End | 1850 |
| GI | none | Score | .74 |
| Exons | 125..285, 325..466, 833..917, 1123..1403, 1668..1850 | | |

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|---|---|---|---|
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 522 | End | 992 |
| GI | none | Score | 142 |
| Exons | 522..614, 526..705, 771..992 | | |

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|---|---|---|---|
| Seq. No. | 7063 | Seq. ID | OJ990701_11.9922.C8 |
| Gene No. | 14918 | Strand | - |
| Start | 1 | End | 2460 |
| Name | OJ990701_11.9922.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 1173 | End | 1407 |
| GI | none | Score | 84 |
| Exons | 1173..1223, 1174..1224, 1209..1292, 1231..1305, 1232..1306, 1233..1307, 1309..1359, 1310..1345, 1353..1406, 1354..1407 | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.gs | Method | GENSCAN |
| Start | 1599 | End | 6625 |
| GI | none | Score | .47 |
| Exons | 1599..1767, 1876..2050, 3259..3311, 3885..4003, 4470..4585, 6118..6333, 6488..6625 | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.gp | Method | AAT/GAP |
| Start | 1668 | End | 4403 |
| GI | 22176_1.R1084 | Score | 1359 |
| Exons | 1668..1892, 1999..2046, 3114..3169, 3259..3311, 3885..4003, 4149..4403 | | |
| GI Descrip. | '4581162/gb\|AAD24645.1\|AC006220_1 5.0e-53 (AC006220) putative symbiosis-related protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.np | Method | AAT/NAP |
| Start | 2010 | End | 4243 |
| GI | 4581162 | Score | 403 |
| Exons | 2010..2046, 3114..3169, 3259..3311, 3885..4003, 4149..4243 | | |

GI Descrip. (AC006220) putative microtubule-associated protein [Arabidopsis thaliana]

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| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 2011 | End | 4226 |
| GI | none | Score | 60 |
| Exons | 2011..2052, 3112..3180, 3113..3172, 3114..3176, 3252..3311, 3259..3312, 3260..3313, 3879..4001, 3881..4003, 3883..4002, 4107..4226, 4148..4225 | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 3112 | End | 4263 |
| GI | none | Score | 75 |
| Exons | 3112..3180, 3113..3172, 3252..3311, 3259..3312, 3879..4022, 3883..4002, 4119..4241, 4148..4234, 4156..4263 | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 3112 | End | 4284 |
| GI | none | Score | 90 |
| Exons | 3112..3180, 3113..3172, 3252..3311, 3259..3312, 3865..3999, 3879..4022, 3883..4002, 3912..4022, 4148..4240, 4155..4235, 4156..4284 | | |

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|---|---|---|---|
| Seq. No. | 7064 | Seq. ID | OJ990701_11.9922.C9 |
| Gene No. | 14919 | Strand | + |
| Start | 1599 | End | 6625 |
| Name | OJ990701_11.9922.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 3122 | End | 4213 |
| GI | none | Score | 67 |
| Exons | 3122..3172, 3136..3180, 3259..3312, 3260..3313, 3867..4022, 3877..4023, 3883..4002, 4148..4213 | | |

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|---|---|---|---|
| Seq. No. | 7065 | Seq. ID | OJ990701_11.9922.C10 |
| Gene No. | 14920 | Strand | + |
| Start | 1 | End | 121 |
| Name | OJ990701_11.9922.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 121 |
| GI | 5777617 | Score | 101 |
| Exons | 1..121 | | |

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14921 | Strand | + |
| Start | 1410 | End | 2714 |
| Name | OJ990701_11.9922.C11.o2.np | Method | AAT/NAP |
| Start | 1410 | End | 2714 |
| GI | 5777617 | Score | 86 |
| Exons | 1410..1429, 2576..2714 | | |

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14922 | Strand | + |
| Start | 2916 | End | 6319 |
| Name | OJ990701_11.9922.C11.o2.gs | Method | GENSCAN |
| Start | 2916 | End | 6319 |
| GI | none | Score | .58 |
| Exons | 2916..3060, 3123..3338, 3635..3661, 3743..3801, 4056..4094, 4238..4307, 5012..5265, 5490..5780, 6041..6319 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14922 | Strand | + |
| Start | 2916 | End | 6319 |
| Name | OJ990701_11.9922.C11.o4.np | Method | AAT/NAP |
| Start | 4059 | End | 6316 |
| GI | 4741203 | Score | 915 |
| Exons | 4059..4290, 4990..5265, 5490..5780, 6041..6316 | | |
| GI Descrip. | (AL049746) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14923 | Strand | - |
| Start | 36 | End | 1373 |
| Name | OJ990701_11.9922.C11.o1.gs | Method | GENSCAN |
| Start | 36 | End | 1373 |
| GI | none | Score | .5 |
| Exons | 36..444, 461..561, 663..779, 1361..1373 | | |

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| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o3.np | Method | AAT/NAP |
| Start | 3796 | End | 5104 |
| GI | 5777617 | Score | 70 |
| Exons | 3796..3894, 5044..5104 | | |
| GI Descrip. | (AJ245900) CAA30375.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 4503 | End | 5570 |
| GI | none | Score | 112 |
| Exons | 4503..4601, 4504..4608, 4505..4609, 5008..5085, 5010..5087, 5093..5272, 5097..5273, 5098..5265, 5439..5570, 5489..5524, 5519..5569 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 5119 | End | 5718 |
| GI | none | Score | 226 |
| Exons | 5119..5265, 5121..5273, 5142..5273, 5487..5717, 5489..5701, 5584..5718 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |

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|---|---|---|---|
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 5140 | End | 6322 |
| GI | none | Score | 227 |
| Exons | 5140..5265, 5142..5273, 5487..5693, 5489..5683, 6008..6184, 6038..6157, 6043..6168, 6170..6322, 6172..6321 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 5571 | End | 5753 |
| GI | none | Score | 311 |
| Exons | 5571..5753, 5571..5753 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 6037 | End | 6268 |
| GI | none | Score | 202 |
| Exons | 6037..6249, 6037..6267, 6038..6268 | | |

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|---|---|---|---|
| Seq. No. | 7066 | Seq. ID | OJ990701_11.9922.C11 |
| Gene No. | 14924 | Strand | - |
| Start | 3796 | End | 6322 |
| Name | OJ990701_11.9922.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 6058 | End | 6319 |
| GI | none | Score | 373 |
| Exons | 6058..6315, 6062..6316, 6062..6319 | | |

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|---|---|---|---|
| Seq. No. | 7067 | Seq. ID | OJ990701_11.9922.C12 |
| Gene No. | 14925 | Strand | + |
| Start | 114 | End | 421 |
| Name | OJ990701_11.9922.C12.o1.gp | Method | AAT/GAP |
| Start | 114 | End | 421 |
| GI | 5816559 | Score | 498 |
| Exons | 114..421 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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| Seq. No. | 7068 | Seq. ID | OJ990701_10.9919.C2 |
| Gene No. | 14926 | Strand | - |
| Start | 46 | End | 808 |
| Name | OJ990701_10.9919.C2.o1.gs | Method | GENSCAN |
| Start | 46 | End | 808 |
| GI | none | Score | .83 |
| Exons | 46..808 | | |

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|---|---|---|---|
| Seq. No. | 7069 | Seq. ID | OJ990701_10.9919.C3 |
| Gene No. | 14927 | Strand | - |
| Start | 1 | End | 519 |
| Name | OJ990701_10.9919.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 519 |
| GI | 5091513 | Score | 756 |

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|---|---|---|---|
| Exons | 1..519 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7069 | Seq. ID | OJ990701_10.9919.C3 |
| Gene No. | 14927 | Strand | - |
| Start | 1 | End | 519 |
| Name | OJ990701_10.9919.C3.o1.gs | Method | GENSCAN |
| Start | 32 | End | 398 |
| GI | none | Score | .41 |
| Exons | 32..398 | | |
| Seq. No. | 7070 | Seq. ID | OJ990701_10.9919.C4 |
| Gene No. | 14928 | Strand | + |
| Start | 116 | End | 407 |
| Name | OJ990701_10.9919.C4.o1.gs | Method | GENSCAN |
| Start | 116 | End | 407 |
| GI | none | Score | .6 |
| Exons | 116..188, 304..407 | | |
| Seq. No. | 7070 | Seq. ID | OJ990701_10.9919.C4 |
| Gene No. | 14929 | Strand | + |
| Start | 631 | End | 724 |
| Name | OJ990701_10.9919.C4.o1.np | Method | AAT/NAP |
| Start | 631 | End | 724 |
| GI | 5042454 | Score | 70 |
| Exons | 631..724 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |
| Seq. No. | 7071 | Seq. ID | OJ990701_10.9919.C5 |
| Gene No. | 14930 | Strand | + |
| Start | 439 | End | 507 |
| Name | OJ990701_10.9919.C5.o1.gs | Method | GENSCAN |
| Start | 439 | End | 507 |
| GI | none | Score | .55 |
| Exons | 439..507 | | |
| Seq. No. | 7071 | Seq. ID | OJ990701_10.9919.C5 |
| Gene No. | 14931 | Strand | - |
| Start | 1368 | End | 1495 |
| Name | OJ990701_10.9919.C5.o2.gs | Method | GENSCAN |
| Start | 1368 | End | 1495 |
| GI | none | Score | .81 |
| Exons | 1368..1495 | | |
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14932 | Strand | + |
| Start | 5180 | End | 6726 |
| Name | OJ990701_10.9919.C6.o1.gp | Method | AAT/GAP |
| Start | 5180 | End | 6726 |
| GI | 7062_2.R1084 | Score | 1739 |
| Exons | 5180..5254, 5400..5659, 5840..6403, 6599..6726 | | |
| GI Descrip. | '4581181/gb\|AAD24664.1\|AC006220_20 1.0e-31 (AC006220) unknown protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14932 | Strand | + |
| Start | 5180 | End | 6726 |

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|---|---|---|---|
| Name | OJ990701_10.9919.C6.o2.np | Method | AAT/NAP |
| Start | 5886 | End | 6324 |
| GI | 6862956 | Score | 336 |
| Exons | 5886..6324 | | |
| GI Descrip. | (AC019018) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14933 | Strand | + |
| Start | 13359 | End | 13676 |
| Name | OJ990701_10.9919.C6.o3.gp | Method | AAT/GAP |
| Start | 13359 | End | 13676 |
| GI | none | Score | 542 |
| Exons | 13359..13676 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14934 | Strand | + |
| Start | 15346 | End | 15654 |
| Name | OJ990701_10.9919.C6.o5.gp | Method | AAT/GAP |
| Start | 15346 | End | 15654 |
| GI | 72524_1.R1084 | Score | 408 |
| Exons | 15346..15654 | | |
| GI Descrip. | '5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14935 | Strand | - |
| Start | 1343 | End | 2473 |
| Name | OJ990701_10.9919.C6.o2.gs | Method | GENSCAN |
| Start | 1343 | End | 2470 |
| GI | none | Score | .95 |
| Exons | 1343..1929, 2038..2470 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14935 | Strand | - |
| Start | 1343 | End | 2473 |
| Name | OJ990701_10.9919.C6.o1.np | Method | AAT/NAP |
| Start | 1346 | End | 2473 |
| GI | 535454 | Score | 972 |
| Exons | 1346..1929, 2038..2473 | | |
| GI Descrip. | (U13940) cysteine proteinase [Alnus glutinosa] | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14936 | Strand | - |
| Start | 6844 | End | 7264 |
| Name | OJ990701_10.9919.C6.o2.gp | Method | AAT/GAP |
| Start | 6844 | End | 7264 |
| GI | none | Score | 769 |
| Exons | 6844..7264 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 1289 | End | 2419 |
| GI | none | Score | 119 |
| Exons | 1289..1594, 1344..1724, 1349..1702, 1697..1828, 1701..1757, 1820..1930, 1869..1937, 2036..2134, 2037..2135, 2177..2239, | | |

2178..2243, 2252..2419, 2265..2354

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 1340 | End | 2379 |
| GI | none | Score | 68 |
| Exons | 1340..1489, 1341..1454, 1493..1684, 1494..1688, 1690..1713, 1701..1805, 1703..1930, 1742..1930, 2034..2111, 2036..2110, 2144..2248, 2189..2254, 2255..2362, 2332..2379 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 1343 | End | 2428 |
| GI | none | Score | 161 |
| Exons | 1343..1540, 1347..1535, 1403..1537, 1550..1708, 1554..1685, 1700..1825, 1829..1930, 2036..2101, 2045..2254, 2112..2153, 2190..2255, 2252..2428, 2253..2354 | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 1412 | End | 2314 |
| GI | none | Score | 50 |
| Exons | 1412..1489, 1493..1570, 1670..1813, 1719..1775, 1826..1924, 1869..1925, 2045..2116, 2046..2111, 2181..2234, 2192..2251, 2255..2314 | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 5890 | End | 6218 |
| GI | none | Score | 69 |
| Exons | 5890..5940, 5904..5939, 5937..6026, 5938..6216, 5941..6216, 6054..6218 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o2.tc | Method | TBLASTX:Cress |
| Start | 13456 | End | 13797 |
| GI | none | Score | 68 |
| Exons | 13456..13560, 13581..13796, 13582..13797 | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 13458 | End | 13688 |
| GI | none | Score | 196 |
| Exons | 13458..13688, 13459..13686 | | |

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|---|---|---|---|
| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o3.np | Method | AAT/NAP |
| Start | 13461 | End | 17200 |
| GI | 4836925 | Score | 605 |
| Exons | 13461..13789, 14502..14886, 15059..15199, 17148..17200 | | |
| GI Descrip. | (AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana] | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 13477 | End | 15184 |
| GI | none | Score | 179 |
| Exons | 13477..13794, 13539..13811, 14500..14577, 14590..14763, 14815..14853, 15056..15184 | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 13720 | End | 15136 |
| GI | none | Score | 82 |
| Exons | 13720..13791, 13731..13811, 13732..13794, 14500..14889, 14501..14872, 14529..14888, 15059..15124, 15059..15136 | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o4.gp | Method | AAT/GAP |
| Start | 13751 | End | 14895 |
| GI | LIB3477-011-P1-K1-C9 | Score | 762 |
| Exons | 13751..13789, 14502..14895 | | |
| GI Descrip. | '4836925/gb\|AAD30627.1\|AC007153_19 3.0e-35 (AC007153) Similar to indole-3-acetate beta-glucosyltransferase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7072 | Seq. ID | OJ990701_10.9919.C6 |
| Gene No. | 14937 | Strand | - |
| Start | 13461 | End | 19623 |
| Name | OJ990701_10.9919.C6.o4.np | Method | AAT/NAP |
| Start | 14470 | End | 19623 |
| GI | 5091513 | Score | 1571 |
| Exons | 14470..14524, 14707..14790, 17053..17401, 18114..18381, 18428..19623 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14938 | Strand | + |
| Start | 905 | End | 6508 |
| Name | OJ990701_10.9919.C7.o2.np | Method | AAT/NAP |
| Start | 905 | End | 5867 |
| GI | 4996363 | Score | 1319 |
| Exons | 905..929, 3864..4163, 4197..5867 | | |
| GI Descrip. | (AB021264) polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14938 | Strand | + |
| Start | 905 | End | 6508 |
| Name | OJ990701_10.9919.C7.o2.gs | Method | GENSCAN |
| Start | 3184 | End | 6508 |
| GI | none | Score | .53 |
| Exons | 3184..3261, 3399..3647, 3940..4061, 4102..4444, 4469..5152, 5206..5460, 5470..5652, 6027..6200, 6229..6303, 6322..6508 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14939 | Strand | - |
| Start | 1 | End | 773 |
| Name | OJ990701_10.9919.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 773 |
| GI | 5091513 | Score | 1167 |
| Exons | 1..773 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14940 | Strand | |
| Start | 1737 | End | 2069 |
| Name | OJ990701_10.9919.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 1737 | End | 2069 |
| GI | none | Score | 111 |
| Exons | 1737..1871, 1737..1925, 1738..1908, 1917..1940, 1944..1979, 1957..2004, 2008..2067, 2022..2069 | | |

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|---|---|---|---|
| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14941 | Strand | |
| Start | 4223 | End | 5025 |
| Name | OJ990701_10.9919.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 4223 | End | 4819 |
| GI | 5509260 | Score | 375 |
| Exons | 4223..4819, 4645..4815 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14941 | Strand | |
| Start | 4223 | End | 5025 |
| Name | OJ990701_10.9919.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 4366 | End | 4618 |
| GI | none | Score | 289 |
| Exons | 4366..4617, 4367..4618 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14941 | Strand | |
| Start | 4223 | End | 5025 |
| Name | OJ990701_10.9919.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 4409 | End | 4795 |
| GI | none | Score | 303 |
| Exons | 4409..4795, 4457..4597, 4471..4599, 4645..4794 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14941 | Strand | |
| Start | 4223 | End | 5025 |
| Name | OJ990701_10.9919.C7.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 4453 | End | 4705 |
| GI | none | Score | 225 |
| Exons | 4453..4665, 4460..4705 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14941 | Strand | |
| Start | 4223 | End | 5025 |
| Name | OJ990701_10.9919.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 4618 | End | 5025 |
| GI | none | Score | 440 |
| Exons | 4618..5016, 4619..5023, 4924..5025, 4940..5020, 4956..5024 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14942 | Strand | |
| Start | 5000 | End | 5856 |
| Name | OJ990701_10.9919.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 5000 | End | 5424 |
| GI | none | Score | 159 |
| Exons | 5000..5155, 5008..5154, 5164..5424, 5166..5423 | | |

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|---|---|---|---|
| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14942 | Strand | |
| Start | 5000 | End | 5856 |
| Name | OJ990701_10.9919.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 5029 | End | 5481 |
| GI | none | Score | 145 |
| Exons | 5029..5133, 5030..5146, 5042..5164, 5134..5481, 5142..5480 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14942 | Strand | |
| Start | 5000 | End | 5856 |
| Name | OJ990701_10.9919.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 5188 | End | 5784 |
| GI | none | Score | 449 |
| Exons | 5188..5784, 5190..5318, 5382..5552, 5610..5711 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14942 | Strand | |
| Start | 5000 | End | 5856 |
| Name | OJ990701_10.9919.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 5482 | End | 5856 |
| GI | none | Score | 351 |
| Exons | 5482..5793, 5498..5602, 5500..5784, 5601..5789, 5794..5856, 5796..5855 | | |

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| Seq. No. | 7073 | Seq. ID | OJ990701_10.9919.C7 |
| Gene No. | 14942 | Strand | |
| Start | 5000 | End | 5856 |
| Name | OJ990701_10.9919.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 5638 | End | 5826 |
| GI | none | Score | 174 |
| Exons | 5638..5826, 5649..5825 | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14943 | Strand | + |
| Start | 733 | End | 851 |
| Name | OJ990701_10.9919.C8.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 733 | End | 851 |
| GI | 5852093 | Score | 64 |
| Exons | 733..851 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14944 | Strand | + |
| Start | 1301 | End | 1497 |
| Name | OJ990701_10.9919.C8.o1.gs | Method | GENSCAN |
| Start | 1301 | End | 1497 |
| GI | none | Score | .97 |
| Exons | 1301..1497 | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14945 | Strand | + |
| Start | 7952 | End | 8283 |
| Name | OJ990701_10.9919.C8.o3.gs | Method | GENSCAN |
| Start | 7952 | End | 8283 |
| GI | none | Score | .62 |
| Exons | 7952..7958, 8111..8283 | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14946 | Strand | - |
| Start | 1341 | End | 5667 |
| Name | OJ990701_10.9919.C8.o2.np | Method | AAT/NAP |
| Start | 1341 | End | 5667 |
| GI | 6815052 | Score | 2459 |
| Exons | 1341..1460, 1742..1815, 1897..2634, 2683..2818, 3601..3693, 4559..4658, 4958..5079, 5361..5427, 5510..5667 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14947 | Strand | - |
| Start | 5943 | End | 6052 |
| Name | OJ990701_10.9919.C8.o3.np | Method | AAT/NAP |
| Start | 5943 | End | 6052 |
| GI | 5852093 | Score | 59 |
| Exons | 5943..6052 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14948 | Strand | - |
| Start | 6853 | End | 8158 |
| Name | OJ990701_10.9919.C8.o4.np | Method | AAT/NAP |
| Start | 6853 | End | 8158 |
| GI | 6815099 | Score | 85 |
| Exons | 6853..7042, 8108..8158 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14949 | Strand | - |
| Start | 9738 | End | 12313 |
| Name | OJ990701_10.9919.C8.o4.gs | Method | GENSCAN |
| Start | 9738 | End | 12313 |
| GI | none | Score | .59 |
| Exons | 9738..10188, 12204..12313 | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14950 | Strand | - |
| Start | 14294 | End | 14730 |
| Name | OJ990701_10.9919.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 2873 | End | 3367 |
| GI | none | Score | 65 |
| Exons | 2873..3367, 2973..3131, 3077..3343 | | |

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| Seq. No. | 7074 | Seq. ID | OJ990701_10.9919.C8 |
| Gene No. | 14950 | Strand | - |
| Start | 14294 | End | 14730 |
| Name | OJ990701_10.9919.C8.o5.gs | Method | GENSCAN |
| Start | 14294 | End | 14730 |
| GI | none | Score | .8 |
| Exons | 14294..14475, 14694..14730 | | |

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|---|---|---|---|
| Seq. No. | 7075 | Seq. ID | OJ990701_10.9919.C9 |
| Gene No. | 14951 | Strand | + |
| Start | 1 | End | 1185 |
| Name | OJ990701_10.9919.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1185 |
| GI | 6721516 | Score | 69 |
| Exons | 1..139, 1167..1185 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7075 | Seq. ID | OJ990701_10.9919.C9 |
| Gene No. | 14951 | Strand | + |
| Start | 1 | End | 1185 |
| Name | OJ990701_10.9919.C9.o1.gs | Method | GENSCAN |
| Start | 284 | End | 826 |
| GI | none | Score | .51 |
| Exons | 284..360, 718..826 | | |

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|---|---|---|---|
| Seq. No. | 7076 | Seq. ID | OJ990701_10.9919.C10 |
| Gene No. | 14952 | Strand | + |
| Start | 241 | End | 5018 |
| Name | OJ990701_10.9919.C10.o1.np | Method | AAT/NAP |
| Start | 241 | End | 5018 |
| GI | 6069646 | Score | 268 |
| Exons | 241..291, 3017..3107, 3966..4602, 4967..5018 | | |
| GI Descrip. | (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa] | | |

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| Seq. No. | 7076 | Seq. ID | OJ990701_10.9919.C10 |
| Gene No. | 14952 | Strand | + |
| Start | 241 | End | 5018 |
| Name | OJ990701_10.9919.C10.o2.gs | Method | GENSCAN |
| Start | 3796 | End | 4315 |
| GI | none | Score | .85 |
| Exons | 3796..3891, 3929..4315 | | |

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| Seq. No. | 7076 | Seq. ID | OJ990701_10.9919.C10 |
| Gene No. | 14953 | Strand | - |
| Start | 1761 | End | 3000 |

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|---|---|---|---|
| Name | OJ990701_10.9919.C10.o1.gs | Method | GENSCAN |
| Start | 1761 | End | 3000 |
| GI | none | Score | .6 |
| Exons | 1761..1865, 2010..2016, 2465..3000 | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14954 | Strand | + |
| Start | 9679 | End | 11155 |
| Name | OJ990701_10.9919.C11.o2.gs | Method | GENSCAN |
| Start | 9679 | End | 11155 |
| GI | none | Score | .75 |
| Exons | 9679..9681, 9768..9895, 10046..10348, 10417..11155 | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14955 | Strand | + |
| Start | 15101 | End | 16598 |
| Name | OJ990701_10.9919.C11.o4.np | Method | AAT/NAP |
| Start | 14330 | End | 15646 |
| GI | 1235664 | Score | 155 |
| Exons | 14330..14776, 15558..15646 | | |
| GI Descrip. | (U37936) novel calmodulin-like protein [Oryza sativa] gi\|3171148 (AF064456) calmodulin-like protein [Oryza sativa subsp. indica] gi\|6969639\|gb\|AAF33852.1\| (AF231026) calmodulin-like protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14955 | Strand | + |
| Start | 15101 | End | 16598 |
| Name | OJ990701_10.9919.C11.o3.gs | Method | GENSCAN |
| Start | 15101 | End | 16598 |
| GI | none | Score | .56 |
| Exons | 15101..15103, 15542..15973, 16227..16329, 16450..16598 | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14956 | Strand | - |
| Start | 343 | End | 8265 |
| Name | OJ990701_10.9919.C11.o1.np | Method | AAT/NAP |
| Start | 343 | End | 2194 |
| GI | 4521190 | Score | 330 |
| Exons | 343..2194 | | |
| GI Descrip. | (AB013448) Pib [Oryza sativa] gi\|4521192\|dbj\|BAA76282.1\| (AB013449) Pib [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14956 | Strand | - |
| Start | 343 | End | 8265 |
| Name | OJ990701_10.9919.C11.o1.gs | Method | GENSCAN |
| Start | 434 | End | 8265 |
| GI | none | Score | .72 |
| Exons | 434..2239, 4149..4282, 4503..4545, 5690..6304, 7171..8265 | | |

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|---|---|---|---|
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14956 | Strand | - |
| Start | 343 | End | 8265 |
| Name | OJ990701_10.9919.C11.o2.np | Method | AAT/NAP |
| Start | 3432 | End | 8127 |
| GI | 4521190 | Score | 409 |

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|---|---|---|---|
| Exons | 3432..3459, 5752..6304, 6344..6463, 7171..7466, 7494..7884, 7923..8127 | | |
| GI Descrip. | (AB013448) Pib [Oryza sativa] gi\|4521192\|dbj\|BAA76282.1\| (AB013449) Pib [Oryza sativa] | | |
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14956 | Strand | - |
| Start | 343 | End | 8265 |
| Name | OJ990701_10.9919.C11.o3.np | Method | AAT/NAP |
| Start | 3513 | End | 8265 |
| GI | 6172381 | Score | 475 |
| Exons | 3513..3563, 5735..6304, 6344..6463, 7171..7466, 7494..7884, 7923..8265 | | |
| GI Descrip. | (AB026839) Pi-b protein [Oryza sativa] | | |
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14957 | Strand | - |
| Start | 16161 | End | 16214 |
| Name | OJ990701_10.9919.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 440 | End | 796 |
| GI | none | Score | 66 |
| Exons | 440..697, 447..662, 491..673, 695..796 | | |
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14957 | Strand | - |
| Start | 16161 | End | 16214 |
| Name | OJ990701_10.9919.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 1292 | End | 1642 |
| GI | none | Score | 53 |
| Exons | 1292..1327, 1294..1329, 1314..1451, 1343..1504, 1346..1492, 1493..1642, 1508..1594, 1516..1614 | | |
| Seq. No. | 7077 | Seq. ID | OJ990701_10.9919.C11 |
| Gene No. | 14957 | Strand | - |
| Start | 16161 | End | 16214 |
| Name | OJ990701_10.9919.C11.o5.np | Method | AAT/NAP |
| Start | 16161 | End | 16214 |
| GI | 5042454 | Score | 75 |
| Exons | 16161..16214 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |
| Seq. No. | 7078 | Seq. ID | OJ990701_10.9919.C12 |
| Gene No. | 14958 | Strand | + |
| Start | 2830 | End | 4431 |
| Name | OJ990701_10.9919.C12.o2.gs | Method | GENSCAN |
| Start | 2830 | End | 4431 |
| GI | none | Score | .48 |
| Exons | 2830..2878, 3132..3254, 3790..3893, 4336..4431 | | |
| Seq. No. | 7078 | Seq. ID | OJ990701_10.9919.C12 |
| Gene No. | 14959 | Strand | - |
| Start | 67 | End | 141 |
| Name | OJ990701_10.9919.C12.o1.gs | Method | GENSCAN |
| Start | 67 | End | 141 |
| GI | none | Score | .89 |
| Exons | 67..141 | | |

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|---|---|---|---|
| Seq. No. | 7079 | Seq. ID | OJ990701_10.9919.C13 |
| Gene No. | 14960 | Strand | + |
| Start | 939 | End | 3784 |
| Name | OJ990701_10.9919.C13.o1.gs | Method | GENSCAN |
| Start | 939 | End | 2171 |
| GI | none | Score | .87 |
| Exons | 939..2171 | | |

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|---|---|---|---|
| Seq. No. | 7079 | Seq. ID | OJ990701_10.9919.C13 |
| Gene No. | 14960 | Strand | + |
| Start | 939 | End | 3784 |
| Name | OJ990701_10.9919.C13.o1.np | Method | AAT/NAP |
| Start | 939 | End | 3784 |
| GI | 6907089 | Score | 1893 |
| Exons | 939..2267, 3762..3784 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7079 | Seq. ID | OJ990701_10.9919.C13 |
| Gene No. | 14960 | Strand | + |
| Start | 939 | End | 3784 |
| Name | OJ990701_10.9919.C13.o2.np | Method | AAT/NAP |
| Start | 2338 | End | 3124 |
| GI | 4680183 | Score | 173 |
| Exons | 2338..2428, 3035..3124 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14961 | Strand | + |
| Start | 1 | End | 2703 |
| Name | OJ990701_10.9919.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2703 |
| GI | 6907089 | Score | 2338 |
| Exons | 1..150, 282..413, 661..733, 837..2703 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o2.gs | Method | GENSCAN |
| Start | 3328 | End | 5100 |
| GI | none | Score | .79 |
| Exons | 3328..5100 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 3328 | End | 3471 |
| GI | none | Score | 126 |
| Exons | 3328..3471, 3332..3466 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o2.np | Method | AAT/NAP |
| Start | 3331 | End | 5355 |
| GI | 6498441 | Score | 2911 |

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|---|---|---|---|
| Exons | 3331..3612, 3706..5103, 5275..5355 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 3340 | End | 3942 |
| GI | none | Score | 77 |
| Exons | 3340..3465, 3344..3466, 3496..3555, 3652..3942, 3653..3937 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 3943 | End | 4324 |
| GI | none | Score | 228 |
| Exons | 3943..4323, 3974..4324 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 4129 | End | 4452 |
| GI | none | Score | 83 |
| Exons | 4129..4341, 4138..4452, 4151..4444 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o4.tw | Method | TBLASTX:Wheat |
| Start | 4654 | End | 4966 |
| GI | none | Score | 69 |
| Exons | 4654..4914, 4790..4966 | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 4714 | End | 5280 |
| GI | 5666795 | Score | 68 |
| Exons | 4714..4914, 4969..5106, 5182..5280 | | |
| GI Descrip. | 4206306 2.0e-10 (AF049110) prpol [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7080 | Seq. ID | OJ990701_10.9919.C14 |
| Gene No. | 14962 | Strand | - |
| Start | 3328 | End | 5355 |
| Name | OJ990701_10.9919.C14.o3.tw | Method | TBLASTX:Wheat |
| Start | 4969 | End | 5346 |
| GI | none | Score | 78 |
| Exons | 4969..5118, 4970..5107, 4984..5109, 5162..5338, 5179..5346 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14963 | Strand | + |
| Start | 15561 | End | 17015 |

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|---|---|---|---|
| Name | OJ990701_10.9919.C15.o3.gs | Method | GENSCAN |
| Start | 15561 | End | 17015 |
| GI | none | Score | .79 |
| Exons | 15561..17015 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14964 | Strand | - |
| Start | 1 | End | 3375 |
| Name | OJ990701_10.9919.C15.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3375 |
| GI | 6498441 | Score | 4125 |
| Exons | 1..586, 761..895, 1079..1452, 1516..1979, 2310..3375 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 424 | End | 795 |
| GI | none | Score | 93 |
| Exons | 424..795, 635..778 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o2.tw | Method | TBLASTX:Wheat |
| Start | 454 | End | 874 |
| GI | none | Score | 289 |
| Exons | 454..873, 479..874 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o2.tm | Method | TBLASTX:Maize |
| Start | 547 | End | 931 |
| GI | none | Score | 220 |
| Exons | 547..930, 566..931 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 958 | End | 1314 |
| GI | none | Score | 75 |
| Exons | 958..1074, 958..1314, 969..1193, 992..1273, 1102..1275 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 982 | End | 1445 |
| GI | none | Score | 226 |
| Exons | 982..1443, 982..1443, 992..1444, 1002..1445 | | |

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| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |

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|---|---|---|---|
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o2.ts | Method | TBLASTX:Soybean |
| Start | 1039 | End | 1404 |
| GI | none | Score | 112 |
| Exons | 1039..1173, 1180..1404 | | |

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| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o3.tw | Method | TBLASTX:Wheat |
| Start | 1609 | End | 2095 |
| GI | none | Score | 166 |
| Exons | 1609..2094, 1640..1900, 1922..2095 | | |

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| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o4.tw | Method | TBLASTX:Wheat |
| Start | 2834 | End | 3223 |
| GI | none | Score | 98 |
| Exons | 2834..3091, 2868..3107, 3074..3172, 3075..3155, 3179..3223 | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o3.tm | Method | TBLASTX:Maize |
| Start | 2936 | End | 3184 |
| GI | none | Score | 109 |
| Exons | 2936..3184, 2937..3182 | | |

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| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14965 | Strand | - |
| Start | 11386 | End | 13055 |
| Name | OJ990701_10.9919.C15.o2.np | Method | AAT/NAP |
| Start | 11386 | End | 13055 |
| GI | 6539588 | Score | 130 |
| Exons | 11386..11404, 12740..13055 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7081 | Seq. ID | OJ990701_10.9919.C15 |
| Gene No. | 14966 | Strand | |
| Start | 17811 | End | 18159 |
| Name | OJ990701_10.9919.C15.o5.tw | Method | TBLASTX:Wheat |
| Start | 17811 | End | 18159 |
| GI | none | Score | 112 |
| Exons | 17811..17936, 17812..17937, 17938..18159, 17952..18146 | | |

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| Seq. No. | 7082 | Seq. ID | OJ990701_10.9919.C16 |
| Gene No. | 14967 | Strand | + |
| Start | 1 | End | 309 |
| Name | OJ990701_10.9919.C16.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 309 |
| GI | 72524_1.R1084 | Score | 431 |
| Exons | 1..309 | | |
| GI Descrip. | '5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7083 | Seq. ID | OJ990331_11.9923.C1 |
| Gene No. | 14968 | Strand | + |
| Start | 1 | End | 617 |
| Name | OJ990331_11.9923.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 617 |
| GI | 4895200 | Score | 130 |
| Exons | 1..116, 236..353, 443..515, 569..617 | | |
| GI Descrip. | (AC007661) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7083 | Seq. ID | OJ990331_11.9923.C1 |
| Gene No. | 14968 | Strand | + |
| Start | 1 | End | 617 |
| Name | OJ990331_11.9923.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 234 | End | 517 |
| GI | none | Score | 103 |
| Exons | 234..332, 236..352, 241..342, 443..517 | 423..497, 424..501, 442..501, | |

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|---|---|---|---|
| Seq. No. | 7083 | Seq. ID | OJ990331_11.9923.C1 |
| Gene No. | 14968 | Strand | + |
| Start | 1 | End | 617 |
| Name | OJ990331_11.9923.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 241 | End | 501 |
| GI | none | Score | 122 |
| Exons | 241..351, 242..352, 424..501, | 441..497 | |

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|---|---|---|---|
| Seq. No. | 7083 | Seq. ID | OJ990331_11.9923.C1 |
| Gene No. | 14968 | Strand | + |
| Start | 1 | End | 617 |
| Name | OJ990331_11.9923.C1.o1.gs | Method | GENSCAN |
| Start | 413 | End | 501 |
| GI | none | Score | .4 |
| Exons | 413..501 | | |

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| Seq. No. | 7084 | Seq. ID | OJ990331_11.9923.C3 |
| Gene No. | 14969 | Strand | - |
| Start | 90 | End | 464 |
| Name | OJ990331_11.9923.C3.o1.gp | Method | AAT/GAP |
| Start | 90 | End | 464 |
| GI | none | Score | 458 |
| Exons | 90..177, 306..464 | | |

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|---|---|---|---|
| Seq. No. | 7084 | Seq. ID | OJ990331_11.9923.C3 |
| Gene No. | 14969 | Strand | - |
| Start | 90 | End | 464 |
| Name | OJ990331_11.9923.C3.o1.gs | Method | GENSCAN |
| Start | 90 | End | 451 |
| GI | none | Score | .88 |
| Exons | 90..177, 306..451 | | |

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|---|---|---|---|
| Seq. No. | 7085 | Seq. ID | OJ990331_11.9923.C6 |
| Gene No. | 14970 | Strand | - |
| Start | 36 | End | 587 |
| Name | OJ990331_11.9923.C6.o1.gs | Method | GENSCAN |
| Start | 36 | End | 587 |
| GI | none | Score | .47 |

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| Exons | 36..175, 183..369, 387..587 | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14971 | Strand | + |
| Start | 2026 | End | 7627 |
| Name | OJ990331_11.9923.C7.o1.gs | Method | GENSCAN |
| Start | 2026 | End | 7627 |
| GI | none | Score | .51 |
| Exons | 2026..2195, 2968..3073, 3783..4024, 4828..5257, 5349..5726, 6319..6411, 7004..7627 | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14971 | Strand | + |
| Start | 2026 | End | 7627 |
| Name | OJ990331_11.9923.C7.o1.gp | Method | AAT/GAP |
| Start | 4853 | End | 5457 |
| GI | none | Score | 954 |
| Exons | 4853..5257, 5349..5457 | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14971 | Strand | + |
| Start | 2026 | End | 7627 |
| Name | OJ990331_11.9923.C7.o1.np | Method | AAT/NAP |
| Start | 4985 | End | 7525 |
| GI | 4835767 | Score | 647 |
| Exons | 4985..5295, 5349..5726, 7004..7525 | | |
| GI Descrip. | (AC007202) T8K14.16 [Arabidopsis thaliana] | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14972 | Strand | + |
| Start | 8126 | End | 8288 |
| Name | OJ990331_11.9923.C7.o2.gp | Method | AAT/GAP |
| Start | 8126 | End | 8288 |
| GI | uC-osflcyp032f03b1 | Score | 283 |
| Exons | 8126..8288 | | |
| GI Descrip. | '3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 4810 | End | 5432 |
| GI | none | Score | 136 |
| Exons | 4810..4842, 4934..5011, 4934..5014, 5023..5079, 5060..5110, 5069..5101, 5110..5199, 5111..5197, 5156..5257, 5161..5265, 5348..5431, 5349..5432 | | |
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 5126 | End | 7099 |
| GI | none | Score | 69 |
| Exons | 5126..5197, 5348..5458, 5349..5483, 5397..5465, 5561..5716, 5562..5687, 7001..7099, 7003..7098 | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 7076 | End | 7830 |
| GI | none | Score | 276 |
| Exons | 7076..7243, 7076..7192, 7240..7278, 7246..7455, 7247..7504, 7388..7483, 7455..7496, 7567..7626, 7568..7627, 7694..7738, 7704..7745, 7756..7830 | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 7103 | End | 7477 |
| GI | none | Score | 407 |
| Exons | 7103..7477, 7147..7191, 7237..7455 | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 8175 | End | 8574 |
| GI | none | Score | 71 |
| Exons | 8175..8195, 8296..8454, 8301..8447, 8320..8454, 8360..8455, 8370..8474, 8440..8574, 8471..8569 | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o2.np | Method | AAT/NAP |
| Start | 8374 | End | 12559 |
| GI | 3980384 | Score | 365 |
| Exons | 8374..8686, 8794..9012, 9121..9576, 9706..9852, 10642..10755, 12419..12559 | | |
| GI Descrip. | (AC004561) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 8557 | End | 8991 |
| GI | none | Score | 184 |
| Exons | 8557..8652, 8809..8991 | | |

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|---|---|---|---|
| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 8606 | End | 9730 |
| GI | none | Score | 81 |
| Exons | 8606..8659, 8608..8658, 8620..8661, 8741..8809, 8749..8805, 8767..8991, 8776..8988, 8825..9004, 8826..8993, 8996..9034, 9000..9041, 9004..9033, 9005..9034, 9031..9444, 9032..9445, 9034..9444, 9412..9567, 9416..9559, 9508..9729, 9557..9730, 9560..9730 | | |

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| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o3.gp | Method | AAT/GAP |
| Start | 9166 | End | 9618 |
| GI | 2428164 | Score | 891 |
| Exons | 9166..9618 | | |
| GI Descrip. | 3980384 8.0e-10 (AC004561) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 10137 | End | 10418 |
| GI | none | Score | 217 |
| Exons | 10137..10412, 10147..10413, 10148..10414, 10254..10418 | | |

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| Seq. No. | 7086 | Seq. ID | OJ990331_11.9923.C7 |
| Gene No. | 14973 | Strand | - |
| Start | 8374 | End | 12559 |
| Name | OJ990331_11.9923.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 10720 | End | 10997 |
| GI | none | Score | 361 |
| Exons | 10720..10995, 10721..10996, 10722..10997 | | |

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|---|---|---|---|
| Seq. No. | 7087 | Seq. ID | OJ990331_11.9923.C8 |
| Gene No. | 14974 | Strand | - |
| Start | 4671 | End | 4996 |
| Name | OJ990331_11.9923.C8.o2.gs | Method | GENSCAN |
| Start | 4671 | End | 4996 |
| GI | none | Score | .47 |
| Exons | 4671..4831, 4855..4996 | | |

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|---|---|---|---|
| Seq. No. | 7088 | Seq. ID | OJ990331_11.9923.C11 |
| Gene No. | 14975 | Strand | + |
| Start | 178 | End | 279 |
| Name | OJ990331_11.9923.C11.o1.gs | Method | GENSCAN |
| Start | 178 | End | 279 |
| GI | none | Score | .41 |
| Exons | 178..279 | | |

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|---|---|---|---|
| Seq. No. | 7089 | Seq. ID | OJ990331_11.9923.C13 |
| Gene No. | 14976 | Strand | + |
| Start | 1 | End | 353 |
| Name | OJ990331_11.9923.C13.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 348 |
| GI | 31280_1.R1084 | Score | 677 |
| Exons | 1..348 | | |
| GI Descrip. | '5354158/gb\|AAD42378.1\|AF149841_1 4.0e-62 (AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_5354160_gb_AAD42379.1_AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_6041825_gb_AAF02140.1_AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7089 | Seq. ID | OJ990331_11.9923.C13 |

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|---|---|---|---|
| Gene No. | 14976 | Strand | + |
| Start | 1 | End | 353 |
| Name | OJ990331_11.9923.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 353 |
| GI | 5354158 | Score | 308 |
| Exons | 1..353 | | |
| GI Descrip. | (AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi\|5354160\|gb\|AAD42379.1\|AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi\|6041825\|gb\|AAF02140.1\|AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7089 | Seq. ID | OJ990331_11.9923.C13 |
| Gene No. | 14976 | Strand | + |
| Start | 1 | End | 353 |
| Name | OJ990331_11.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 51 | End | 348 |
| GI | none | Score | 193 |
| Exons | 51..347, 73..348, 81..347 | | |

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|---|---|---|---|
| Seq. No. | 7089 | Seq. ID | OJ990331_11.9923.C13 |
| Gene No. | 14976 | Strand | + |
| Start | 1 | End | 353 |
| Name | OJ990331_11.9923.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 60 | End | 348 |
| GI | none | Score | 341 |
| Exons | 60..155, 61..348, 82..306, 183..347 | | |

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| Seq. No. | 7089 | Seq. ID | OJ990331_11.9923.C13 |
| Gene No. | 14976 | Strand | + |
| Start | 1 | End | 353 |
| Name | OJ990331_11.9923.C13.o1.gs | Method | GENSCAN |
| Start | 67 | End | 348 |
| GI | none | Score | .96 |
| Exons | 67..348 | | |

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|---|---|---|---|
| Seq. No. | 7090 | Seq. ID | OJ990331_11.9923.C14 |
| Gene No. | 14977 | Strand | + |
| Start | 426 | End | 749 |
| Name | OJ990331_11.9923.C14.o1.gp | Method | AAT/GAP |
| Start | 426 | End | 749 |
| GI | none | Score | 344 |
| Exons | 426..584, 711..749 | | |

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|---|---|---|---|
| Seq. No. | 7090 | Seq. ID | OJ990331_11.9923.C14 |
| Gene No. | 14977 | Strand | + |
| Start | 426 | End | 749 |
| Name | OJ990331_11.9923.C14.o1.gs | Method | GENSCAN |
| Start | 439 | End | 584 |
| GI | none | Score | .54 |
| Exons | 439..584 | | |

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|---|---|---|---|
| Seq. No. | 7091 | Seq. ID | OJ990331_11.9923.C15 |
| Gene No. | 14978 | Strand | + |
| Start | 413 | End | 3845 |
| Name | OJ990331_11.9923.C15.o1.gs | Method | GENSCAN |
| Start | 413 | End | 3845 |

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|---|---|---|---|
| GI | none | Score | .49 |
| Exons | 413..486, 1542..1629, 1793..1937, 3421..3845 | | |

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|---|---|---|---|
| Seq. No. | 7091 | Seq. ID | OJ990331_11.9923.C15 |
| Gene No. | 14979 | Strand | - |
| Start | 976 | End | 4067 |
| Name | OJ990331_11.9923.C15.o1.np | Method | AAT/NAP |
| Start | 976 | End | 4067 |
| GI | 6498423 | Score | 129 |
| Exons | 976..1016, 3354..3457, 3565..3732, 3835..4067 | | |
| GI Descrip. | (AP000815) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7091 | Seq. ID | OJ990331_11.9923.C15 |
| Gene No. | 14980 | Strand | - |
| Start | 5472 | End | 6154 |
| Name | OJ990331_11.9923.C15.o2.gs | Method | GENSCAN |
| Start | 5472 | End | 6154 |
| GI | none | Score | .44 |
| Exons | 5472..5579, 5984..6154 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14981 | Strand | + |
| Start | 4329 | End | 6870 |
| Name | OJ990331_11.9923.C16.o2.np | Method | AAT/NAP |
| Start | 4329 | End | 6870 |
| GI | 1352681 | Score | 721 |
| Exons | 4329..4384, 5269..5645, 5799..6137, 6237..6342, 6440..6631, 6749..6870 | | |
| GI Descrip. | PROTEIN PHOSPHATASE 2C (PP2C) gi\|1076391\|pir\|\|S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi\|633028\|dbj\|BAA07287\| (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi\|6006880\|gb\|AAF00655.1\|AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14981 | Strand | + |
| Start | 4329 | End | 6870 |
| Name | OJ990331_11.9923.C16.o3.gs | Method | GENSCAN |
| Start | 5295 | End | 6858 |
| GI | none | Score | .83 |
| Exons | 5295..5645, 5709..6137, 6237..6342, 6440..6858 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14982 | Strand | + |
| Start | 17090 | End | 19098 |
| Name | OJ990331_11.9923.C16.o3.np | Method | AAT/NAP |
| Start | 17090 | End | 19095 |
| GI | 2642159 | Score | 1587 |
| Exons | 17090..17200, 17935..17997, 18102..18341, 18427..19095 | | |
| GI Descrip. | (AC003000) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi\|3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi\|4151925 (AF108660) CYT1 protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14982 | Strand | + |
| Start | 17090 | End | 19098 |

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|---|---|---|---|
| Name | OJ990331_11.9923.C16.o5.gs | Method | GENSCAN |
| Start | 17090 | End | 19098 |
| GI | none | Score | .89 |
| Exons | 17090..17200, 17935..17997, 18102..18341, 18427..19098 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14982 | Strand | + |
| Start | 17090 | End | 19098 |
| Name | OJ990331_11.9923.C16.o1.gp | Method | AAT/GAP |
| Start | 17139 | End | 18489 |
| GI | 36904_1.R1084 | Score | 785 |
| Exons | 17139..17200, 17935..17997, 18102..18341, 18427..18489 | | |
| GI Descrip. | '4103324 2.0e-62 (AF022716) GDP-mannose pyrophosphorylase [Solanum tuberosum]' | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14983 | Strand | + |
| Start | 22213 | End | 25794 |
| Name | OJ990331_11.9923.C16.o7.gs | Method | GENSCAN |
| Start | 22213 | End | 25425 |
| GI | none | Score | .81 |
| Exons | 22213..22223, 22607..22721, 22780..23094, 23602..23868, 24435..24784, 24933..25425 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14983 | Strand | + |
| Start | 22213 | End | 25794 |
| Name | OJ990331_11.9923.C16.o3.gp | Method | AAT/GAP |
| Start | 22718 | End | 23798 |
| GI | 31280_1.R1084 | Score | 1112 |
| Exons | 22718..23094, 23602..23798 | | |
| GI Descrip. | '5354158/gb\|AAD42378.1\|AF149841_1 4.0e-62 (AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_5354160_gb_AAD42379.1_AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] >gi_6041825_gb_AAF02140.1_AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14983 | Strand | + |
| Start | 22213 | End | 25794 |
| Name | OJ990331_11.9923.C16.o4.np | Method | AAT/NAP |
| Start | 22807 | End | 25442 |
| GI | 3047114 | Score | 1087 |
| Exons | 22807..22941, 23573..23868, 24435..24661, 24933..25442 | | |
| GI Descrip. | (AF058919) No definition line found [Arabidopsis thaliana] | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14983 | Strand | + |
| Start | 22213 | End | 25794 |
| Name | OJ990331_11.9923.C16.o4.gp | Method | AAT/GAP |
| Start | 24504 | End | 25794 |
| GI | 21864_1.R1084 | Score | 2251 |
| Exons | 24504..24784, 24933..25794 | | |
| GI Descrip. | '3047114 5.0e-57 (AF058919) No definition line found [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o8.gs | Method | GENSCAN |
| Start | 26783 | End | 37719 |
| GI | none | Score | .59 |
| Exons | 26783..27055, 28030..28094, 28950..29043, 29298..29403, 29518..29589, 30188..31044, 31294..31567, 31651..31721, 31822..31998, 33101..33313, 33442..33529, 33665..33693, 34071..34220, 34234..34302, 34365..34517, 34609..34777, 34897..34991, 35448..35552, 35929..36038, 37620..37719 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o5.np | Method | AAT/NAP |
| Start | 26819 | End | 29411 |
| GI | 4895200 | Score | 673 |
| Exons | 26819..27055, 27624..27741, 27831..27889, 28030..28094, 28950..29043, 29135..29215, 29298..29411 | | |
| GI Descrip. | (AC007661) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o5.gp | Method | AAT/GAP |
| Start | 29313 | End | 30402 |
| GI | none | Score | 630 |
| Exons | 29313..29403, 30080..30152, 30228..30402 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o6.gp | Method | AAT/GAP |
| Start | 30443 | End | 30985 |
| GI | LIB3434-011-P1-K1-G4 | Score | 862 |
| Exons | 30443..30583, 30674..30985 | | |
| GI Descrip. | '4895199/gb\|AAD32786.1\|AC007661_23 5.0e-11 (AC007661) hypothetical protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o7.gp | Method | AAT/GAP |
| Start | 31651 | End | 31901 |
| GI | 2797283 | Score | 262 |
| Exons | 31651..31721, 31822..31901 | | |
| GI Descrip. | 4895199/gb\|AAD32786.1\|AC007661_23 5.0e-11 (AC007661) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o8.gp | Method | AAT/GAP |
| Start | 31887 | End | 32350 |
| GI | none | Score | 883 |
| Exons | 31887..32350 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14984 | Strand | + |
| Start | 26783 | End | 37719 |
| Name | OJ990331_11.9923.C16.o9.gp | Method | AAT/GAP |
| Start | 33155 | End | 34647 |
| GI | none | Score | 1279 |
| Exons | 33155..33313, 33442..33529, 33612..33634, 33753..33827, 33910..33963, 34071..34148, 34234..34302, 34365..34517, 34609..34647 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14985 | Strand | + |
| Start | 52996 | End | 57907 |
| Name | OJ990331_11.9923.C16.o12.gp | Method | AAT/GAP |
| Start | 52996 | End | 55118 |
| GI | none | Score | 836 |
| Exons | 52996..53183, 54462..54653, 55043..55118 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14985 | Strand | + |
| Start | 52996 | End | 57907 |
| Name | OJ990331_11.9923.C16.o7.np | Method | AAT/NAP |
| Start | 53351 | End | 57907 |
| GI | 4006886 | Score | 893 |
| Exons | 53351..53386, 55519..55651, 55725..55826, 56151..56270, 56443..56655, 56841..56903, 57198..57313, 57414..57472, 57567..57907 | | |
| GI Descrip. | (Z99708) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14985 | Strand | + |
| Start | 52996 | End | 57907 |
| Name | OJ990331_11.9923.C16.o12.gs | Method | GENSCAN |
| Start | 55060 | End | 57904 |
| GI | none | Score | .7 |
| Exons | 55060..55176, 55343..55427, 55519..55701, 55958..56028, 56151..56270, 56443..56655, 56841..56903, 57198..57313, 57414..57472, 57567..57904 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14985 | Strand | + |
| Start | 52996 | End | 57907 |
| Name | OJ990331_11.9923.C16.o13.gp | Method | AAT/GAP |
| Start | 57175 | End | 57740 |
| GI | LIB3432-024-P1-K1-C2 | Score | 606 |
| Exons | 57175..57313, 57414..57472, 57567..57740 | | |
| GI Descrip. | '4006886/emb\|CAB16816.1\| 7.0e-34 (Z99708) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14986 | Strand | - |
| Start | 335 | End | 4123 |
| Name | OJ990331_11.9923.C16.o1.np | Method | AAT/NAP |
| Start | 335 | End | 4123 |
| GI | 5042454 | Score | 3244 |
| Exons | 335..1123, 1760..3468, 3525..3631, 3973..4123 | | |

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14986 | Strand | - |
| Start | 335 | End | 4123 |
| Name | OJ990331_11.9923.C16.o1.gs | Method | GENSCAN |
| Start | 364 | End | 888 |
| GI | none | Score | .92 |
| Exons | 364..888 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14986 | Strand | - |
| Start | 335 | End | 4123 |
| Name | OJ990331_11.9923.C16.o2.gs | Method | GENSCAN |
| Start | 1759 | End | 4033 |
| GI | none | Score | .88 |
| Exons | 1759..2193, 2199..2369, 2387..2536, 2653..3468, 3525..3731, 3977..4033 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14987 | Strand | - |
| Start | 19153 | End | 19391 |
| Name | OJ990331_11.9923.C16.o2.gp | Method | AAT/GAP |
| Start | 19153 | End | 19391 |
| GI | none | Score | 446 |
| Exons | 19153..19391 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14988 | Strand | - |
| Start | 20084 | End | 20751 |
| Name | OJ990331_11.9923.C16.o6.gs | Method | GENSCAN |
| Start | 20084 | End | 20751 |
| GI | none | Score | .58 |
| Exons | 20084..20096, 20645..20751 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14989 | Strand | - |
| Start | 36129 | End | 36443 |
| Name | OJ990331_11.9923.C16.o10.gp | Method | AAT/GAP |
| Start | 36129 | End | 36443 |
| GI | none | Score | 618 |
| Exons | 36129..36443 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14990 | Strand | - |
| Start | 39331 | End | 44367 |
| Name | OJ990331_11.9923.C16.o11.gp | Method | AAT/GAP |
| Start | 38876 | End | 44367 |
| GI | 507_1.R1084 | Score | 2973 |
| Exons | 38876..39417, 40805..41029, 41115..41674, 44050..44367 | | |
| GI Descrip. | '1346764/sp\|P48489\|PP1_ORYSA 1.0e-175 SERINE/THREONINE PROTEIN PHOSPHATASE PP1 >gi_951336_gb_AAA74625_ (U31773) protein phosphatase 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14990 | Strand | - |
| Start | 39331 | End | 44367 |

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|---|---|---|---|
| Name | OJ990331_11.9923.C16.o9.gs | Method | GENSCAN |
| Start | 39331 | End | 44273 |
| GI | none | Score | .52 |
| Exons | 39331..39417, 41219..41266, 41427..41674, 42392..42473, 42620..42685, 44187..44273 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14990 | Strand | - |
| Start | 39331 | End | 44367 |
| Name | OJ990331_11.9923.C16.o6.np | Method | AAT/NAP |
| Start | 40844 | End | 44258 |
| GI | 1346764 | Score | 1410 |
| Exons | 40844..41029, 41115..41682, 44062..44258 | | |
| GI Descrip. | SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi\|951336\|gb\|AAA74625\| (U31773) protein phosphatase 1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14991 | Strand | - |
| Start | 53206 | End | 53637 |
| Name | OJ990331_11.9923.C16.o11.gs | Method | GENSCAN |
| Start | 53206 | End | 53637 |
| GI | none | Score | .91 |
| Exons | 53206..53329, 53612..53637 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o5.tw | Method | TBLASTX:Wheat |
| Start | 297 | End | 2796 |
| GI | none | Score | 59 |
| Exons | 297..374, 472..516, 2405..2662, 2439..2678, 2645..2704, 2710..2742, 2749..2796 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o6.tw | Method | TBLASTX:Wheat |
| Start | 517 | End | 744 |
| GI | none | Score | 124 |
| Exons | 517..744, 518..709 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o3.tc | Method | TBLASTX:Cress |
| Start | 5442 | End | 6852 |
| GI | none | Score | 95 |
| Exons | 5442..5597, 5522..5596, 5609..5647, 5976..6137, 5978..6130, 6234..6347, 6266..6346, 6438..6512, 6439..6513, 6507..6614, 6508..6594, 6772..6852 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o3.ts | Method | TBLASTX:Soybean |
| Start | 5514 | End | 6573 |
| GI | none | Score | 103 |

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| Exons | 5514..5594, 5522..5596, 5609..5647, 5972..6130, 5973..6137, 6234..6347, 6234..6338, 6266..6346, 6438..6512, 6439..6513, 6507..6545, 6508..6573 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o6.tm | Method | TBLASTX:Maize |
| Start | 5522 | End | 6269 |
| GI | none | Score | 113 |
| Exons | 5522..5647, 5523..5648, 5790..5948, 5795..5947, 5930..6136, 5949..6137, 6234..6269, 6234..6269 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 6024 | End | 6602 |
| GI | none | Score | 116 |
| Exons | 6024..6137, 6068..6136, 6234..6347, 6234..6338, 6266..6346, 6438..6512, 6439..6513, 6511..6591, 6516..6602, 6520..6579 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o16.tm | Method | TBLASTX:Maize |
| Start | 6460 | End | 6866 |
| GI | none | Score | 203 |
| Exons | 6460..6594, 6462..6611, 6631..6672, 6631..6678, 6772..6849, 6772..6843, 6774..6866 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o4.tm | Method | TBLASTX:Maize |
| Start | 16993 | End | 18546 |
| GI | none | Score | 55 |
| Exons | 16993..17196, 17032..17058, 17081..17203, 17083..17196, 17090..17203, 17929..18000, 17931..17999, 18099..18341, 18101..18205, 18101..18343, 18102..18344, 18403..18546, 18420..18545 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o2.tc | Method | TBLASTX:Cress |
| Start | 17086 | End | 19139 |
| GI | none | Score | 182 |
| Exons | 17086..17193, 17090..17203, 17090..17200, 17929..18000, 17934..17999, 18102..18359, 18143..18343, 18403..19101, 18420..18992, 19059..19139 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o2.ts | Method | TBLASTX:Soybean |
| Start | 17086 | End | 18837 |

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|---|---|---|---|
| GI | none | Score | 187 |
| Exons | 17086..17199, 17087..17203, 17929..18000, 17934..17999, 18099..18341, 18102..18359, 18140..18343, 18403..18837, 18420..18830, 18643..18837 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o3.tw | Method | TBLASTX:Wheat |
| Start | 18132 | End | 18480 |
| GI | none | Score | 339 |
| Exons | 18132..18359, 18133..18201, 18140..18343, 18403..18480 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 18613 | End | 19098 |
| GI | none | Score | 771 |
| Exons | 18613..19098, 18615..18992, 19059..19097 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o4.ts | Method | TBLASTX:Soybean |
| Start | 18837 | End | 19098 |
| GI | none | Score | 421 |
| Exons | 18837..18992, 18838..19098, 18976..19098 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o7.tm | Method | TBLASTX:Maize |
| Start | 22797 | End | 23858 |
| GI | none | Score | 193 |
| Exons | 22797..23093, 22819..23094, 22827..23093, 23577..23858, 23587..23856 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o6.ts | Method | TBLASTX:Soybean |
| Start | 22806 | End | 25404 |
| GI | none | Score | 341 |
| Exons | 22806..22901, 22807..23094, 22828..23052, 22929..23093, 23580..23870, 23585..23869, 23587..23871, 24434..24523, 24435..24782, 24446..24523, 24924..25097, 24925..25221, 25264..25404 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o7.tc | Method | TBLASTX:Cress |
| Start | 23736 | End | 24755 |
| GI | none | Score | 177 |
| Exons | 23736..23876, 23737..23871, 24434..24610, 24435..24755, 24477..24614 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o12.tm | Method | TBLASTX:Maize |
| Start | 24404 | End | 24701 |
| GI | none | Score | 265 |
| Exons | 24404..24694, 24432..24701, 24435..24701 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o18.tm | Method | TBLASTX:Maize |
| Start | 24702 | End | 25044 |
| GI | none | Score | 86 |
| Exons | 24702..24785, 24922..25044, 24936..25043 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o5.tm | Method | TBLASTX:Maize |
| Start | 25045 | End | 25435 |
| GI | none | Score | 571 |
| Exons | 25045..25419, 25045..25419, 25047..25427, 25268..25435 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o14.tm | Method | TBLASTX:Maize |
| Start | 27002 | End | 30435 |
| GI | none | Score | 75 |
| Exons | 27002..27055, 27622..27720, 27624..27740, 27629..27730, 27811..27885, 27812..27889, 27830..27889, 27831..27905, 28027..28092, 28029..28094, 28030..28095, 28948..29043, 28950..29048, 28950..29042, 28952..29044, 29105..29227, 29133..29231, 29134..29232, 29134..29214, 29295..29402, 29296..29403, 29297..29401, 30040..30150, 30070..30150, 30072..30152, 30078..30152, 30206..30433, 30225..30434, 30226..30435 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o10.tm | Method | TBLASTX:Maize |
| Start | 28668 | End | 28947 |
| GI | none | Score | 415 |
| Exons | 28668..28946, 28681..28947, 28681..28947 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o4.tc | Method | TBLASTX:Cress |
| Start | 28945 | End | 30129 |
| GI | none | Score | 139 |
| Exons | 28945..29043, 28959..29042, 28989..29048, 29132..29227, 29132..29215, 29295..29348, 29318..29398, 29349..29399, 30073..30129 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o8.tm | Method | TBLASTX:Maize |
| Start | 30436 | End | 31485 |
| GI | none | Score | 88 |
| Exons | 30436..30531, 30436..30522, 30533..30583, 30669..30725, 30672..30722, 30673..30726, 30726..30818, 30727..30768, 30728..30817, 30810..31040, 30819..31040, 30823..31047, 31291..31368, 31293..31469, 31293..31469, 31294..31485 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o17.tm | Method | TBLASTX:Maize |
| Start | 31489 | End | 31913 |
| GI | none | Score | 95 |
| Exons | 31489..31560, 31490..31585, 31644..31730, 31650..31691, 31821..31913, 31822..31905 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o15.tm | Method | TBLASTX:Maize |
| Start | 33290 | End | 34308 |
| GI | none | Score | 43 |
| Exons | 33290..33316, 33442..33483, 33481..33531, 33721..33828, 33745..33825, 33750..33827, 33753..33830, 33873..33965, 33910..33963, 34060..34149, 34070..34168, 34071..34148, 34072..34149, 34233..34307, 34234..34308 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o10.ts | Method | TBLASTX:Soybean |
| Start | 35261 | End | 35555 |
| GI | none | Score | 117 |
| Exons | 35261..35371, 35445..35555, 35498..35554 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o9.tm | Method | TBLASTX:Maize |
| Start | 35443 | End | 36218 |
| GI | none | Score | 171 |
| Exons | 35443..35583, 35445..35555, 35621..35821, 35647..35820, 35922..36035, 35923..36039, 35926..36036, 35955..36041, 36126..36200, 36127..36213, 36132..36218 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o9.ts | Method | TBLASTX:Soybean |
| Start | 35671 | End | 36052 |
| GI | none | Score | 173 |
| Exons | 35671..35820, 35672..35821, 35923..36039, 35927..36052 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 39096 | End | 44436 |
| GI | none | Score | 59 |
| Exons | 39096..39149, 39097..39150, 39101..39154, 39101..39151, 39139..39198, 39160..39198, 39161..39208, 39162..39239, 39199..39240, 39199..39342, 39200..39364, 39305..39352, 39356..39418, 39357..39419, 40839..41030, 40840..41031, 40841..41032, 40843..41031, 41112..41675, 41113..41688, 41114..41674, 41115..41675, 41122..41676, 44067..44228, 44116..44217, 44127..44231, 44297..44326, 44398..44436 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 40839 | End | 44228 |
| GI | none | Score | 238 |
| Exons | 40839..41033, 40841..41032, 40870..41034, 40876..41034, 41112..41675, 41113..41709, 44067..44228, 44125..44217 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 40871 | End | 44211 |
| GI | none | Score | 198 |
| Exons | 40871..41032, 40878..41051, 40891..41034, 41112..41675, 41113..41676, 44067..44174, 44113..44211 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o4.tw | Method | TBLASTX:Wheat |
| Start | 40873 | End | 41193 |
| GI | none | Score | 70 |
| Exons | 40873..40965, 40875..41030, 40880..41032, 40881..41030, 40999..41031, 41112..41189, 41122..41193 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 41242 | End | 41672 |
| GI | none | Score | 507 |
| Exons | 41242..41670, 41244..41672 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o11.tm | Method | TBLASTX:Maize |
| Start | 55074 | End | 55984 |
| GI | none | Score | 66 |
| Exons | 55074..55139, 55077..55142, 55078..55143, 55341..55406, | | |

55343..55411, 55518..55637, 55542..55631, 55577..55636,
55716..55847, 55729..55857, 55730..55864, 55730..55864,
55939..55983, 55939..55983, 55940..55984, 55943..55984

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o5.ts | Method | TBLASTX:Soybean |
| Start | 55551 | End | 56891 |
| GI | none | Score | 41 |
| Exons | 55551..55607, 55727..55852, 55729..55845, 55942..56031, 55965..56018, 56150..56269, 56151..56270, 56427..56648, 56428..56649, 56442..56654, 56841..56891 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o5.tc | Method | TBLASTX:Cress |
| Start | 56160 | End | 56679 |
| GI | none | Score | 181 |
| Exons | 56160..56270, 56168..56269, 56427..56612, 56427..56660, 56428..56679 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o3.tm | Method | TBLASTX:Maize |
| Start | 56437 | End | 57999 |
| GI | none | Score | 353 |
| Exons | 56437..56655, 56439..56654, 56441..56656, 56838..56891, 57197..57328, 57198..57329, 57411..57473, 57412..57474, 57413..57475, 57427..57477, 57561..57647, 57562..57669, 57564..57647, 57566..57670, 57721..57903, 57725..57904, 57726..57905, 57731..57910, 57741..57905, 57952..57999 | | |

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| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o8.tc | Method | TBLASTX:Cress |
| Start | 57228 | End | 57823 |
| GI | none | Score | 77 |
| Exons | 57228..57314, 57411..57473, 57412..57474, 57554..57640, 57559..57633, 57721..57822, 57725..57823 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o8.ts | Method | TBLASTX:Soybean |
| Start | 57415 | End | 57913 |
| GI | none | Score | 92 |
| Exons | 57415..57474, 57417..57473, 57562..57639, 57566..57736, 57725..57913, 57727..57897 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o6.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 59607 | End | 61551 |
| GI | none | Score | 164 |
| Exons | 59607..59798, 59651..59869, 59664..59870, 61402..61551 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o13.gs | Method | GENSCAN |
| Start | 59645 | End | 61575 |
| GI | none | Score | .93 |
| Exons | 59645..59886, 60422..60489, 60587..60657, 60744..60845, 61160..61306, 61399..61575 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o7.ts | Method | TBLASTX:Soybean |
| Start | 59654 | End | 59902 |
| GI | none | Score | 201 |
| Exons | 59654..59902, 59658..59885 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o8.np | Method | AAT/NAP |
| Start | 59654 | End | 62073 |
| GI | 4895195 | Score | 782 |
| Exons | 59654..59915, 60418..60489, 60587..60657, 60744..60845, 61160..61275, 61358..61575, 61981..62073 | | |
| GI Descrip. | (AC007661) putative mitochondrial carrier protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o19.tm | Method | TBLASTX:Maize |
| Start | 59777 | End | 60646 |
| GI | none | Score | 187 |
| Exons | 59777..59884, 59778..59885, 59784..59897, 60419..60490, 60427..60492, 60431..60490, 60586..60645, 60587..60646, 60587..60646 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o13.tm | Method | TBLASTX:Maize |
| Start | 60789 | End | 61477 |
| GI | none | Score | 78 |
| Exons | 60789..60848, 60791..60838, 61116..61229, 61154..61306, 61164..61298, 61396..61476, 61400..61477 | | |

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|---|---|---|---|
| Seq. No. | 7092 | Seq. ID | OJ990331_11.9923.C16 |
| Gene No. | 14992 | Strand | - |
| Start | 59645 | End | 62073 |
| Name | OJ990331_11.9923.C16.o11.ts | Method | TBLASTX:Soybean |
| Start | 61450 | End | 62073 |
| GI | none | Score | 96 |

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|---|---|---|---|
| Exons | 61450..61581, 61454..61561, 61975..62073, 61988..62071 | | |
| Seq. No. | 7093 | Seq. ID | OJ990331_11.9923.C17 |
| Gene No. | 14993 | Strand | - |
| Start | 285 | End | 522 |
| Name | OJ990331_11.9923.C17.o1.np | Method | AAT/NAP |
| Start | 285 | End | 522 |
| GI | 4895195 | Score | 114 |
| Exons | 285..522 | | |
| GI Descrip. | (AC007661) putative mitochondrial carrier protein [Arabidopsis thaliana] | | |
| Seq. No. | 7093 | Seq. ID | OJ990331_11.9923.C17 |
| Gene No. | 14993 | Strand | - |
| Start | 285 | End | 522 |
| Name | OJ990331_11.9923.C17.o1.gs | Method | GENSCAN |
| Start | 289 | End | 498 |
| GI | none | Score | .82 |
| Exons | 289..498 | | |
| Seq. No. | 7094 | Seq. ID | OJ990331_11.9923.C19 |
| Gene No. | 14994 | Strand | - |
| Start | 1 | End | 196 |
| Name | OJ990331_11.9923.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 196 |
| GI | 1346764 | Score | 153 |
| Exons | 1..196 | | |
| GI Descrip. | SERINE/THREONINE PROTEIN PHOSPHATASE PP1 gi\|951336\|gb\|AAA74625\| (U31773) protein phosphatase 1 [Oryza sativa] | | |
| Seq. No. | 7094 | Seq. ID | OJ990331_11.9923.C19 |
| Gene No. | 14995 | Strand | - |
| Start | 98 | End | 211 |
| Name | OJ990331_11.9923.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 56 | End | 178 |
| GI | none | Score | 111 |
| Exons | 56..169, 57..119, 62..178 | | |
| Seq. No. | 7094 | Seq. ID | OJ990331_11.9923.C19 |
| Gene No. | 14995 | Strand | - |
| Start | 98 | End | 211 |
| Name | OJ990331_11.9923.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 59 | End | 178 |
| GI | none | Score | 97 |
| Exons | 59..169, 60..119, 68..178 | | |
| Seq. No. | 7094 | Seq. ID | OJ990331_11.9923.C19 |
| Gene No. | 14995 | Strand | - |
| Start | 98 | End | 211 |
| Name | OJ990331_11.9923.C19.o1.gs | Method | GENSCAN |
| Start | 98 | End | 211 |
| GI | none | Score | .51 |
| Exons | 98..211 | | |
| Seq. No. | 7095 | Seq. ID | OJ990331_11.9923.C21 |
| Gene No. | 14996 | Strand | - |
| Start | 398 | End | 516 |

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|---|---|---|---|
| Name | OJ990331_11.9923.C21.o1.gs | Method | GENSCAN |
| Start | 398 | End | 516 |
| GI | none | Score | .58 |
| Exons | 398..516 | | |

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|---|---|---|---|
| Seq. No. | 7096 | Seq. ID | OJ990331_11.9923.C23 |
| Gene No. | 14997 | Strand | - |
| Start | 1 | End | 556 |
| Name | OJ990331_11.9923.C23.o1.np | Method | AAT/NAP |
| Start | 1 | End | 385 |
| GI | 2213632 | Score | 332 |
| Exons | 1..385 | | |
| GI Descrip. | (AC000103) F21J9.24 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7096 | Seq. ID | OJ990331_11.9923.C23 |
| Gene No. | 14997 | Strand | - |
| Start | 1 | End | 556 |
| Name | OJ990331_11.9923.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 433 |
| GI | none | Score | 85 |
| Exons | 2..103, 15..86, 98..190, 104..433, 105..197 | | |

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|---|---|---|---|
| Seq. No. | 7096 | Seq. ID | OJ990331_11.9923.C23 |
| Gene No. | 14997 | Strand | - |
| Start | 1 | End | 556 |
| Name | OJ990331_11.9923.C23.o1.tw | Method | TBLASTX:Wheat |
| Start | 2 | End | 271 |
| GI | none | Score | 71 |
| Exons | 2..100, 12..83, 89..271, 108..200 | | |

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|---|---|---|---|
| Seq. No. | 7096 | Seq. ID | OJ990331_11.9923.C23 |
| Gene No. | 14997 | Strand | - |
| Start | 1 | End | 556 |
| Name | OJ990331_11.9923.C23.o2.tw | Method | TBLASTX:Wheat |
| Start | 275 | End | 556 |
| GI | none | Score | 89 |
| Exons | 275..556, 300..548 | | |

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|---|---|---|---|
| Seq. No. | 7097 | Seq. ID | OJ990331_11.9923.C24 |
| Gene No. | 14998 | Strand | + |
| Start | 87 | End | 410 |
| Name | OJ990331_11.9923.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 47 | End | 209 |
| GI | none | Score | 199 |
| Exons | 47..208, 66..209, 66..209 | | |

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|---|---|---|---|
| Seq. No. | 7097 | Seq. ID | OJ990331_11.9923.C24 |
| Gene No. | 14998 | Strand | + |
| Start | 87 | End | 410 |
| Name | OJ990331_11.9923.C24.o1.gs | Method | GENSCAN |
| Start | 87 | End | 410 |
| GI | none | Score | .67 |
| Exons | 87..410 | | |

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|---|---|---|---|
| Seq. No. | 7098 | Seq. ID | OJ990331_11.9923.C25 |
| Gene No. | 14999 | Strand | + |
| Start | 26 | End | 109 |

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|---|---|---|---|
| Name | OJ990331_11.9923.C25.o1.gs | Method | GENSCAN |
| Start | 26 | End | 109 |
| GI | none | Score | .97 |
| Exons | 26..109 | | |

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|---|---|---|---|
| Seq. No. | 7099 | Seq. ID | OJ990331_11.9923.C28 |
| Gene No. | 15000 | Strand | + |
| Start | 1 | End | 163 |
| Name | OJ990331_11.9923.C28.o1.np | Method | AAT/NAP |
| Start | 1 | End | 163 |
| GI | 4127370 | Score | 184 |
| Exons | 1..163 | | |
| GI Descrip. | (AJ010453) glutathione transferase [Alopecurus myosuroides] | | |

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|---|---|---|---|
| Seq. No. | 7099 | Seq. ID | OJ990331_11.9923.C28 |
| Gene No. | 15000 | Strand | + |
| Start | 1 | End | 163 |
| Name | OJ990331_11.9923.C28.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 162 |
| GI | none | Score | 166 |
| Exons | 1..162, 1..150, 2..151, 3..158 | | |

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|---|---|---|---|
| Seq. No. | 7099 | Seq. ID | OJ990331_11.9923.C28 |
| Gene No. | 15000 | Strand | + |
| Start | 1 | End | 163 |
| Name | OJ990331_11.9923.C28.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 155 |
| GI | none | Score | 170 |
| Exons | 1..150, 3..155 | | |

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|---|---|---|---|
| Seq. No. | 7100 | Seq. ID | OJ990331_11.9923.C29 |
| Gene No. | 15001 | Strand | + |
| Start | 47 | End | 104 |
| Name | OJ990331_11.9923.C29.o1.gs | Method | GENSCAN |
| Start | 47 | End | 104 |
| GI | none | Score | .94 |
| Exons | 47..104 | | |

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|---|---|---|---|
| Seq. No. | 7101 | Seq. ID | OJ990331_11.9923.C30 |
| Gene No. | 15002 | Strand | + |
| Start | 129 | End | 324 |
| Name | OJ990331_11.9923.C30.o1.gs | Method | GENSCAN |
| Start | 129 | End | 324 |
| GI | none | Score | .78 |
| Exons | 129..324 | | |

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|---|---|---|---|
| Seq. No. | 7102 | Seq. ID | OJ990331_12.9922.C2 |
| Gene No. | 15003 | Strand | + |
| Start | 976 | End | 1138 |
| Name | OJ990331_12.9922.C2.o1.gs | Method | GENSCAN |
| Start | 976 | End | 1138 |
| GI | none | Score | .49 |
| Exons | 976..1005, 1016..1138 | | |

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|---|---|---|---|
| Seq. No. | 7103 | Seq. ID | OJ990331_12.9922.C3 |
| Gene No. | 15004 | Strand | - |
| Start | 2174 | End | 6171 |

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|---|---|---|---|
| Name | OJ990331_12.9922.C3.o1.np | Method | AAT/NAP |
| Start | 2174 | End | 6171 |
| GI | 5091513 | Score | 1125 |
| Exons | 2174..2397, 2549..2673, 3435..3504, 3585..3880, 3962..4598, 5286..5780, 5989..6171 | | |
| GI Descrip. | (AB023482) Hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7103 | Seq. ID | OJ990331_12.9922.C3 |
| Gene No. | 15004 | Strand | - |
| Start | 2174 | End | 6171 |
| Name | OJ990331_12.9922.C3.o2.gs | Method | GENSCAN |
| Start | 5412 | End | 5998 |
| GI | none | Score | .73 |
| Exons | 5412..5621, 5627..5998 | | |

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| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15005 | Strand | + |
| Start | 336 | End | 710 |
| Name | OJ990331_12.9922.C4.o1.gs | Method | GENSCAN |
| Start | 336 | End | 710 |
| GI | none | Score | .44 |
| Exons | 336..710 | | |

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|---|---|---|---|
| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15006 | Strand | + |
| Start | 1024 | End | 11353 |
| Name | OJ990331_12.9922.C4.o2.gs | Method | GENSCAN |
| Start | 1024 | End | 11353 |
| GI | none | Score | .75 |
| Exons | 1024..1318, 2733..3433, 3624..3845, 3928..4753, 4839..4976, 5405..5800, 5834..5972, 6058..6184, 7492..7563, 7894..7992, 8350..8430, 8532..8582, 8668..8749, 9144..9238, 10142..10213, 10310..10426, 10579..10647, 10910..10976, 11112..11353 | | |

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| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15006 | Strand | + |
| Start | 1024 | End | 11353 |
| Name | OJ990331_12.9922.C4.o1.np | Method | AAT/NAP |
| Start | 2759 | End | 5979 |
| GI | 4559347 | Score | 1552 |
| Exons | 2759..3437, 3628..3845, 3928..4447, 4598..4686, 5091..5238, 5417..5979 | | |
| GI Descrip. | (AC006585) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15006 | Strand | + |
| Start | 1024 | End | 11353 |
| Name | OJ990331_12.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 5693 | End | 7589 |
| GI | uC-osflcyp013d06b1 | Score | 901 |
| Exons | 5693..5972, 6058..6184, 7492..7589 | | |
| GI Descrip. | '4559347/gb\|AAD23008.1\|AC006585_3 4.0e-10 (AC006585) putative extensin [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15007 | Strand | + |
| Start | 11397 | End | 12026 |

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|---|---|---|---|
| Name | OJ990331_12.9922.C4.o2.gp | Method | AAT/GAP |
| Start | 11397 | End | 12026 |
| GI | none | Score | 940 |
| Exons | 11397..11527, 11678..12026 | | |

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|---|---|---|---|
| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15008 | Strand | + |
| Start | 12873 | End | 14170 |
| Name | OJ990331_12.9922.C4.o3.gs | Method | GENSCAN |
| Start | 12873 | End | 14170 |
| GI | none | Score | .75 |
| Exons | 12873..13061, 13976..14170 | | |

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| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15009 | Strand | - |
| Start | 15453 | End | 15883 |
| Name | OJ990331_12.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 7857 | End | 10426 |
| GI | none | Score | 82 |
| Exons | 7857..7988, 7879..7992, 7936..7992, 8094..8138, 8099..8137, 8347..8433, 8347..8439, 8528..8572, 8529..8585, 8643..8750, 8659..8751, 9143..9241, 9143..9241, 10307..10426, 10312..10422 | | |

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| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15009 | Strand | - |
| Start | 15453 | End | 15883 |
| Name | OJ990331_12.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 7887 | End | 9229 |
| GI | none | Score | 79 |
| Exons | 7887..7991, 7936..7992, 8093..8137, 8094..8138, 8343..8444, 8347..8439, 8529..8585, 8659..8754, 8676..8750, 9143..9229 | | |

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|---|---|---|---|
| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15009 | Strand | - |
| Start | 15453 | End | 15883 |
| Name | OJ990331_12.9922.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 10124 | End | 10972 |
| GI | none | Score | 85 |
| Exons | 10124..10216, 10307..10429, 10315..10428, 10572..10646, 10582..10647, 10910..10972 | | |

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|---|---|---|---|
| Seq. No. | 7104 | Seq. ID | OJ990331_12.9922.C4 |
| Gene No. | 15009 | Strand | - |
| Start | 15453 | End | 15883 |
| Name | OJ990331_12.9922.C4.o4.gs | Method | GENSCAN |
| Start | 15453 | End | 15883 |
| GI | none | Score | .87 |
| Exons | 15453..15584, 15799..15883 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 6618 |
| GI | 6686396 | Score | 1368 |
| Exons | 1..128, 4522..4783, 4994..5128, 5304..6618 | | |
| GI Descrip. | (AC007234) F1E22.10 [Arabidopsis thaliana] | | |

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| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o1.gs | Method | GENSCAN |
| Start | 74 | End | 6627 |
| GI | none | Score | .83 |
| Exons | 74..158, 4522..4783, 4994..5128, 5304..6627 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 3514 | End | 3859 |
| GI | 2309883 | Score | 514 |
| Exons | 3514..3859 | | |
| GI Descrip. | 2149018/gb\|U70541\|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds | | |

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| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o2.np | Method | AAT/NAP |
| Start | 5911 | End | 9395 |
| GI | 6006365 | Score | 179 |
| Exons | 5911..5963, 6077..6188, 7780..7830, 7873..8298, 9305..9395 | | |
| GI Descrip. | (AP000559) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o2.gs | Method | GENSCAN |
| Start | 6862 | End | 11667 |
| GI | none | Score | .75 |
| Exons | 6862..6867, 7707..7866, 8155..8367, 9381..9497, 9523..9564, 10844..10980, 11057..11276, 11510..11667 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15010 | Strand | + |
| Start | 1 | End | 13389 |
| Name | OJ990331_12.9922.C5.o3.np | Method | AAT/NAP |
| Start | 10000 | End | 13389 |
| GI | 6815053 | Score | 567 |
| Exons | 10000..10196, 12975..13103, 13153..13389 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15011 | Strand | + |
| Start | 16601 | End | 29013 |
| Name | OJ990331_12.9922.C5.o4.np | Method | AAT/NAP |
| Start | 16148 | End | 16919 |
| GI | 2213632 | Score | 686 |
| Exons | 16148..16919 | | |
| GI Descrip. | (AC000103) F21J9.24 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |

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|---|---|---|---|
| Gene No. | 15011 | Strand | + |
| Start | 16601 | End | 29013 |
| Name | OJ990331_12.9922.C5.o4.gs | Method | GENSCAN |
| Start | 16601 | End | 29013 |
| GI | none | Score | .87 |
| Exons | 16601..17061, 18415..18551, 21827..22690, 22947..23030, 23124..23192, 23323..23388, 23481..23555, 23653..23755, 24043..24205, 24341..24410, 24743..24808, 27988..28110, 28522..28778, 29005..29013 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 1 | End | 4786 |
| GI | none | Score | 112 |
| Exons | 1..129, 2..130, 4520..4552, 4521..4592, 4581..4784, 4598..4786 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 5096 |
| GI | none | Score | 116 |
| Exons | 1..129, 2..130, 4520..4786, 4521..4784, 4986..5096 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 2 | End | 5562 |
| GI | none | Score | 114 |
| Exons | 2..130, 4580..4780, 4581..4781, 4998..5069, 5055..5123, 5284..5562, 5310..5468 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 5302 | End | 5511 |
| GI | none | Score | 254 |
| Exons | 5302..5511, 5310..5468 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 5371 | End | 5607 |
| GI | none | Score | 189 |
| Exons | 5371..5607 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 5512 | End | 6549 |
| GI | none | Score | 70 |

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|---|---|---|---|
| Exons | 5512..5586, 5601..5783, 5605..5700, 5656..6123, 5782..5919, 5971..6132, 6003..6131, 6118..6273, 6168..6431, 6334..6435, 6355..6432, 6433..6549 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 5659 | End | 6609 |
| GI | none | Score | 77 |
| Exons | 5659..5715, 5838..5903, 5839..6135, 5985..6128, 6229..6270, 6334..6435, 6439..6609 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 5839 | End | 6570 |
| GI | none | Score | 90 |
| Exons | 5839..5919, 5971..6141, 5985..6119, 6334..6435, 6472..6570 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 6334 | End | 6615 |
| GI | none | Score | 62 |
| Exons | 6334..6435, 6433..6615 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 11681 | End | 11938 |
| GI | none | Score | 41 |
| Exons | 11681..11710, 11717..11938, 11755..11934 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 11726 | End | 11955 |
| GI | none | Score | 314 |
| Exons | 11726..11953, 11734..11949, 11751..11951, 11806..11955 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15012 | Strand | - |
| Start | 12664 | End | 15249 |
| Name | OJ990331_12.9922.C5.o3.gs | Method | GENSCAN |
| Start | 12664 | End | 15249 |
| GI | none | Score | .51 |
| Exons | 12664..12833, 12944..13082, 14225..14258, 14815..14848, 14939..15130, 15183..15249 | | |
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15013 | Strand | |
| Start | 16139 | End | 16870 |

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|---|---|---|---|
| Name | OJ990331_12.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 16139 | End | 16531 |
| GI | none | Score | 334 |
| Exons | 16139..16429, 16144..16428, 16341..16445, 16343..16435, 16451..16531 | | |

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|---|---|---|---|
| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15013 | Strand | |
| Start | 16139 | End | 16870 |
| Name | OJ990331_12.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 16262 | End | 16669 |
| GI | none | Score | 207 |
| Exons | 16262..16426, 16270..16419, 16448..16669, 16450..16521 | | |

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| Seq. No. | 7105 | Seq. ID | OJ990331_12.9922.C5 |
| Gene No. | 15013 | Strand | |
| Start | 16139 | End | 16870 |
| Name | OJ990331_12.9922.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 16532 | End | 16870 |
| GI | none | Score | 203 |
| Exons | 16532..16765, 16627..16671, 16729..16764, 16802..16870, 16829..16870 | | |

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|---|---|---|---|
| Seq. No. | 7106 | Seq. ID | OJ990331_12.9922.C6 |
| Gene No. | 15014 | Strand | - |
| Start | 1836 | End | 4473 |
| Name | OJ990331_12.9922.C6.o1.gs | Method | GENSCAN |
| Start | 1836 | End | 4473 |
| GI | none | Score | .69 |
| Exons | 1836..1855, 2250..2417, 2456..2599, 2616..2858, 3527..3678, 3956..3990, 4087..4193, 4410..4473 | | |

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|---|---|---|---|
| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o1.gs | Method | GENSCAN |
| Start | 1251 | End | 5541 |
| GI | none | Score | .76 |
| Exons | 1251..1922, 2335..2418, 2758..5022, 5110..5541 | | |

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|---|---|---|---|
| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o1.np | Method | AAT/NAP |
| Start | 2290 | End | 6055 |
| GI | 4680179 | Score | 4492 |
| Exons | 2290..3348, 3376..6055 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o8.tw | Method | TBLASTX:Wheat |
| Start | 2499 | End | 2697 |
| GI | none | Score | 198 |
| Exons | 2499..2696, 2500..2697 | | |

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|---|---|---|---|
| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 2749 | End | 3087 |
| GI | none | Score | 237 |
| Exons | 2749..3087, 2749..2958 | | |

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|---|---|---|---|
| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o6.tw | Method | TBLASTX:Wheat |
| Start | 2749 | End | 3099 |
| GI | none | Score | 299 |
| Exons | 2749..3099 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o7.tw | Method | TBLASTX:Wheat |
| Start | 3433 | End | 3786 |
| GI | none | Score | 255 |
| Exons | 3433..3786 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 3790 | End | 3983 |
| GI | none | Score | 180 |
| Exons | 3790..3981, 3828..3983 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 3918 | End | 4401 |
| GI | none | Score | 524 |
| Exons | 3918..4358, 3919..4401, 4030..4398 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 3955 | End | 4269 |
| GI | none | Score | 199 |
| Exons | 3955..4269 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 3984 | End | 4431 |
| GI | none | Score | 382 |
| Exons | 3984..4226, 3988..4431 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |

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|---|---|---|---|
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 4342 | End | 4737 |
| GI | none | Score | 57 |
| Exons | 4342..4374, 4342..4374, 4378..4431, 4380..4421, 4477..4707, 4486..4737, 4497..4727 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o5.tw | Method | TBLASTX:Wheat |
| Start | 4488 | End | 4752 |
| GI | none | Score | 356 |
| Exons | 4488..4751, 4489..4752 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 4639 | End | 5064 |
| GI | none | Score | 452 |
| Exons | 4639..5064, 4686..5051, 4867..5064 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 4753 | End | 5178 |
| GI | none | Score | 585 |
| Exons | 4753..5178, 4755..5171, 4828..5178 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 4759 | End | 5007 |
| GI | none | Score | 208 |
| Exons | 4759..5007, 4785..4904, 4944..4988 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 5206 | End | 5745 |
| GI | none | Score | 594 |
| Exons | 5206..5745, 5388..5741, 5464..5745 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 5362 | End | 5709 |
| GI | none | Score | 255 |
| Exons | 5362..5694, 5389..5709, 5508..5708 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |

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|---|---|---|---|
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 5544 | End | 5793 |
| GI | none | Score | 275 |
| Exons | 5544..5792, 5545..5793 | | |

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| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 5710 | End | 6027 |
| GI | none | Score | 445 |
| Exons | 5710..6027, 5712..6023 | | |

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|---|---|---|---|
| Seq. No. | 7107 | Seq. ID | OJ990331_12.9922.C7 |
| Gene No. | 15015 | Strand | + |
| Start | 1251 | End | 6055 |
| Name | OJ990331_12.9922.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 5752 | End | 6055 |
| GI | none | Score | 387 |
| Exons | 5752..6054, 5752..5856, 5757..6047, 5885..6055, 5938..6054 | | |

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|---|---|---|---|
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15016 | Strand | + |
| Start | 1 | End | 3273 |
| Name | OJ990331_12.9922.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 950 |
| GI | 4680179 | Score | 1429 |
| Exons | 1..950 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15016 | Strand | + |
| Start | 1 | End | 3273 |
| Name | OJ990331_12.9922.C8.o2.np | Method | AAT/NAP |
| Start | 1 | End | 3273 |
| GI | 6063554 | Score | 145 |
| Exons | 1..125, 1296..1545, 1724..1980, 3098..3273 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15016 | Strand | + |
| Start | 1 | End | 3273 |
| Name | OJ990331_12.9922.C8.o1.gs | Method | GENSCAN |
| Start | 118 | End | 953 |
| GI | none | Score | .76 |
| Exons | 118..627, 735..953 | | |

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|---|---|---|---|
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15017 | Strand | - |
| Start | 1220 | End | 3454 |
| Name | OJ990331_12.9922.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 572 |
| GI | none | Score | 573 |

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|---|---|---|---|
| Exons | 1..501, 3..452, 145..501, 495..572, 497..571 | | |
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15017 | Strand | - |
| Start | 1220 | End | 3454 |
| Name | OJ990331_12.9922.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 126 |
| GI | none | Score | 180 |
| Exons | 1..126, 3..113 | | |
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15017 | Strand | - |
| Start | 1220 | End | 3454 |
| Name | OJ990331_12.9922.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 126 | End | 710 |
| GI | none | Score | 229 |
| Exons | 126..281, 127..288, 285..446, 286..504, 492..710, 494..709 | | |
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15017 | Strand | - |
| Start | 1220 | End | 3454 |
| Name | OJ990331_12.9922.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 572 | End | 905 |
| GI | none | Score | 298 |
| Exons | 572..853, 573..905, 723..854 | | |
| Seq. No. | 7108 | Seq. ID | OJ990331_12.9922.C8 |
| Gene No. | 15017 | Strand | - |
| Start | 1220 | End | 3454 |
| Name | OJ990331_12.9922.C8.o2.gs | Method | GENSCAN |
| Start | 1220 | End | 3454 |
| GI | none | Score | .73 |
| Exons | 1220..1634, 1717..1848, 1857..2200, 3339..3454 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o1.gs | Method | GENSCAN |
| Start | 51 | End | 8410 |
| GI | none | Score | .61 |
| Exons | 51..83, 153..884, 940..1648, 1718..2277, 2480..2662, 3755..3977, 4060..4319, 4396..4509, 8269..8410 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o4.ts | Method | TBLASTX:Soybean |
| Start | 432 | End | 770 |
| GI | none | Score | 199 |
| Exons | 432..770 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 1180 | End | 1545 |
| GI | none | Score | 144 |

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|---|---|---|---|
| Exons | 1180..1404, 1411..1545 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o2.np | Method | AAT/NAP |
| Start | 1195 | End | 5326 |
| GI | 5902445 | Score | 784 |
| Exons | 1195..2648, 5196..5326 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 1342 | End | 1747 |
| GI | none | Score | 86 |
| Exons | 1342..1398, 1347..1388, 1393..1746, 1394..1747, 1401..1745 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 1396 | End | 1614 |
| GI | none | Score | 284 |
| Exons | 1396..1614, 1396..1596, 1401..1613 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 1615 | End | 2076 |
| GI | none | Score | 537 |
| Exons | 1615..2076, 1615..1896, 1617..2075 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 1750 | End | 2145 |
| GI | none | Score | 190 |
| Exons | 1750..2082, 1764..2078, 2041..2145 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 1762 | End | 2247 |
| GI | none | Score | 213 |
| Exons | 1762..2040, 1800..2024, 2041..2247, 2091..2201 | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o3.np | Method | AAT/NAP |
| Start | 1810 | End | 8467 |
| GI | 4680180 | Score | 383 |

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|---|---|---|---|
| Exons | 1810..2662, 8364..8467 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |
| Seq. No. | 7109 | Seq. ID | OJ990331_12.9922.C10 |
| Gene No. | 15018 | Strand | + |
| Start | 51 | End | 8467 |
| Name | OJ990331_12.9922.C10.o3.ts | Method | TBLASTX:Soybean |
| Start | 2384 | End | 2659 |
| GI | none | Score | 142 |
| Exons | 2384..2521, 2386..2535, 2542..2625, 2543..2659 | | |
| Seq. No. | 7110 | Seq. ID | OJ990331_12.9922.C11 |
| Gene No. | 15019 | Strand | + |
| Start | 1 | End | 1273 |
| Name | OJ990331_12.9922.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 811 |
| GI | 4680183 | Score | 139 |
| Exons | 1..115, 720..811 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |
| Seq. No. | 7110 | Seq. ID | OJ990331_12.9922.C11 |
| Gene No. | 15019 | Strand | + |
| Start | 1 | End | 1273 |
| Name | OJ990331_12.9922.C11.o1.gs | Method | GENSCAN |
| Start | 46 | End | 1273 |
| GI | none | Score | .79 |
| Exons | 46..115, 609..708, 1192..1273 | | |
| Seq. No. | 7111 | Seq. ID | OJ990331_12.9922.C12 |
| Gene No. | 15020 | Strand | + |
| Start | 1 | End | 1271 |
| Name | OJ990331_12.9922.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1271 |
| GI | 5295955 | Score | 411 |
| Exons | 1..174, 229..529, 609..666, 706..1271 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |
| Seq. No. | 7111 | Seq. ID | OJ990331_12.9922.C12 |
| Gene No. | 15020 | Strand | + |
| Start | 1 | End | 1271 |
| Name | OJ990331_12.9922.C12.o1.gs | Method | GENSCAN |
| Start | 69 | End | 867 |
| GI | none | Score | .48 |
| Exons | 69..372, 646..867 | | |
| Seq. No. | 7111 | Seq. ID | OJ990331_12.9922.C12 |
| Gene No. | 15021 | Strand | - |
| Start | 1482 | End | 2033 |
| Name | OJ990331_12.9922.C12.o2.gs | Method | GENSCAN |
| Start | 1482 | End | 2033 |
| GI | none | Score | .98 |
| Exons | 1482..2033 | | |
| Seq. No. | 7112 | Seq. ID | OJ990331_12.9922.C14 |
| Gene No. | 15022 | Strand | - |
| Start | 1 | End | 842 |

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|---|---|---|---|
| Name | OJ990331_12.9922.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 818 |
| GI | 5852179 | Score | 197 |
| Exons | 1..88, 307..523, 598..818 | | |
| GI Descrip. | (AL117265) zhb0009.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7112 | Seq. ID | OJ990331_12.9922.C14 |
| Gene No. | 15022 | Strand | - |
| Start | 1 | End | 842 |
| Name | OJ990331_12.9922.C14.o1.gs | Method | GENSCAN |
| Start | 124 | End | 842 |
| GI | none | Score | .86 |
| Exons | 124..266, 346..465, 474..842 | | |

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|---|---|---|---|
| Seq. No. | 7113 | Seq. ID | OJ990331_12.9922.C15 |
| Gene No. | 15023 | Strand | + |
| Start | 336 | End | 389 |
| Name | OJ990331_12.9922.C15.o1.gs | Method | GENSCAN |
| Start | 336 | End | 389 |
| GI | none | Score | .88 |
| Exons | 336..389 | | |

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|---|---|---|---|
| Seq. No. | 7114 | Seq. ID | OJ990331_12.9922.C16 |
| Gene No. | 15024 | Strand | - |
| Start | 188 | End | 435 |
| Name | OJ990331_12.9922.C16.o1.gs | Method | GENSCAN |
| Start | 188 | End | 331 |
| GI | none | Score | .96 |
| Exons | 188..331 | | |

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|---|---|---|---|
| Seq. No. | 7114 | Seq. ID | OJ990331_12.9922.C16 |
| Gene No. | 15024 | Strand | - |
| Start | 188 | End | 435 |
| Name | OJ990331_12.9922.C16.o1.np | Method | AAT/NAP |
| Start | 189 | End | 435 |
| GI | 3599670 | Score | 93 |
| Exons | 189..435 | | |
| GI Descrip. | (AB009080) TRFA [Dictyostelium discoideum] | | |

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|---|---|---|---|
| Seq. No. | 7115 | Seq. ID | OJ990331_12.9922.C19 |
| Gene No. | 15025 | Strand | + |
| Start | 795 | End | 965 |
| Name | OJ990331_12.9922.C19.o1.gp | Method | AAT/GAP |
| Start | 795 | End | 965 |
| GI | 2315_5.R1084 | Score | 193 |
| Exons | 795..965 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7115 | Seq. ID | OJ990331_12.9922.C19 |
| Gene No. | 15026 | Strand | - |
| Start | 12 | End | 407 |
| Name | OJ990331_12.9922.C19.o1.gs | Method | GENSCAN |
| Start | 12 | End | 407 |
| GI | none | Score | .88 |
| Exons | 12..407 | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1419 |
| GI | 6742729 | Score | 2206 |
| Exons | 1..1419 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.gp | Method | AAT/GAP |
| Start | 39 | End | 2738 |
| GI | 342_1.R1084 | Score | 4398 |
| Exons | 39..2062, 2181..2285, 2395..2738 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o4.gp | Method | AAT/GAP |
| Start | 39 | End | 2910 |
| GI | 342_1.R1084 | Score | 4703 |
| Exons | 39..2062, 2181..2285, 2395..2910 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o2.gp | Method | AAT/GAP |
| Start | 39 | End | 2732 |
| GI | 342_1.R1084 | Score | 4386 |
| Exons | 39..2062, 2181..2285, 2395..2732 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.gs | Method | GENSCAN |
| Start | 65 | End | 1978 |
| GI | none | Score | 1 |
| Exons | 65..1978 | | |

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| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o2.tw | Method | TBLASTX:Wheat |
| Start | 175 | End | 585 |
| GI | none | Score | 87 |
| Exons | 175..225, 176..238, 244..426, 248..466, 494..583, 499..585, 500..583 | | |

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| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |

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|---|---|---|---|
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.tw | Method | TBLASTX:Wheat |
| Start | 586 | End | 1903 |
| GI | none | Score | 924 |
| Exons | 586..1488, 587..1504, 1172..1489, 1499..1543, 1503..1538, 1546..1641, 1550..1609, 1588..1728, 1589..1729, 1657..1737, 1742..1822, 1811..1903, 1837..1902 | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 629 | End | 943 |
| GI | none | Score | 317 |
| Exons | 629..943, 640..915, 713..943 | | |

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|---|---|---|---|
| Seq. No. | 7116 | Seq. ID | OJ990331_12.9922.C20 |
| Gene No. | 15027 | Strand | + |
| Start | 1 | End | 2910 |
| Name | OJ990331_12.9922.C20.o1.tc | Method | TBLASTX:Cress |
| Start | 870 | End | 1321 |
| GI | none | Score | 175 |
| Exons | 870..1052, 874..1311, 874..1317, 878..1321, 1172..1321 | | |

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|---|---|---|---|
| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15028 | Strand | + |
| Start | 688 | End | 4399 |
| Name | OJ990331_12.9922.C21.o1.np | Method | AAT/NAP |
| Start | 688 | End | 4381 |
| GI | 4680204 | Score | 1039 |
| Exons | 688..2123, 2198..3294, 3404..3577, 3674..3893, 4244..4381 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15028 | Strand | + |
| Start | 688 | End | 4399 |
| Name | OJ990331_12.9922.C21.o1.gs | Method | GENSCAN |
| Start | 703 | End | 3298 |
| GI | none | Score | .66 |
| Exons | 703..1081, 1201..2123, 2198..2339, 2465..2607, 2609..3298 | | |

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|---|---|---|---|
| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15028 | Strand | + |
| Start | 688 | End | 4399 |
| Name | OJ990331_12.9922.C21.o2.gs | Method | GENSCAN |
| Start | 3405 | End | 4399 |
| GI | none | Score | .98 |
| Exons | 3405..3577, 3674..3784, 3869..3941, 4036..4134, 4214..4399 | | |

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| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15029 | Strand | + |
| Start | 4719 | End | 4861 |
| Name | OJ990331_12.9922.C21.o1.tw | Method | TBLASTX:Wheat |
| Start | 1330 | End | 1733 |
| GI | none | Score | 62 |
| Exons | 1330..1470, 1330..1440, 1332..1568, 1332..1481, 1433..1600, | | |

1563..1733

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| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15029 | Strand | + |
| Start | 4719 | End | 4861 |
| Name | OJ990331_12.9922.C21.o2.tw | Method | TBLASTX:Wheat |
| Start | 3221 | End | 3743 |
| GI | none | Score | 60 |
| Exons | 3221..3301, 3390..3572, 3440..3565, 3672..3743 | | |

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| Seq. No. | 7117 | Seq. ID | OJ990331_12.9922.C21 |
| Gene No. | 15029 | Strand | + |
| Start | 4719 | End | 4861 |
| Name | OJ990331_12.9922.C21.o1.gp | Method | AAT/GAP |
| Start | 4719 | End | 4861 |
| GI | 21474_1.R1084 | Score | 243 |
| Exons | 4719..4861 | | |
| GI Descrip. | '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7118 | Seq. ID | OJ990331_12.9922.C22 |
| Gene No. | 15030 | Strand | + |
| Start | 107 | End | 355 |
| Name | OJ990331_12.9922.C22.o1.gp | Method | AAT/GAP |
| Start | 107 | End | 355 |
| GI | 101153_1.R1084 | Score | 387 |
| Exons | 107..355 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7119 | Seq. ID | OJ990331_12.9922.C23 |
| Gene No. | 15031 | Strand | - |
| Start | 28 | End | 834 |
| Name | OJ990331_12.9922.C23.o1.gs | Method | GENSCAN |
| Start | 28 | End | 388 |
| GI | none | Score | .68 |
| Exons | 28..388 | | |

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|---|---|---|---|
| Seq. No. | 7119 | Seq. ID | OJ990331_12.9922.C23 |
| Gene No. | 15031 | Strand | - |
| Start | 28 | End | 834 |
| Name | OJ990331_12.9922.C23.o1.np | Method | AAT/NAP |
| Start | 59 | End | 388 |
| GI | 5852182 | Score | 426 |
| Exons | 59..388 | | |
| GI Descrip. | (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7119 | Seq. ID | OJ990331_12.9922.C23 |
| Gene No. | 15031 | Strand | - |
| Start | 28 | End | 834 |
| Name | OJ990331_12.9922.C23.o1.gp | Method | AAT/GAP |
| Start | 247 | End | 834 |
| GI | 2310235 | Score | 307 |
| Exons | 247..388, 797..834 | | |
| GI Descrip. | 5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7120 | Seq. ID | OJ990331_12.9922.C24 |
| Gene No. | 15032 | Strand | + |
| Start | 620 | End | 5416 |
| Name | OJ990331_12.9922.C24.o1.gs | Method | GENSCAN |
| Start | 620 | End | 5416 |
| GI | none | Score | .73 |
| Exons | 620..682, 765..969, 1451..1576, 1646..2211, 2315..2467, 2576..2656, 3217..3479, 4019..4161, 5295..5416 | | |

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|---|---|---|---|
| Seq. No. | 7120 | Seq. ID | OJ990331_12.9922.C24 |
| Gene No. | 15032 | Strand | + |
| Start | 620 | End | 5416 |
| Name | OJ990331_12.9922.C24.o1.np | Method | AAT/NAP |
| Start | 1501 | End | 3802 |
| GI | 2244752 | Score | 88 |
| Exons | 1501..1639, 3773..3802 | | |
| GI Descrip. | (Z97335) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7120 | Seq. ID | OJ990331_12.9922.C24 |
| Gene No. | 15033 | Strand | - |
| Start | 6175 | End | 7237 |
| Name | OJ990331_12.9922.C24.o2.gs | Method | GENSCAN |
| Start | 6175 | End | 6614 |
| GI | none | Score | .83 |
| Exons | 6175..6329, 6576..6614 | | |

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|---|---|---|---|
| Seq. No. | 7120 | Seq. ID | OJ990331_12.9922.C24 |
| Gene No. | 15033 | Strand | - |
| Start | 6175 | End | 7237 |
| Name | OJ990331_12.9922.C24.o2.np | Method | AAT/NAP |
| Start | 6184 | End | 7237 |
| GI | 6069646 | Score | 83 |
| Exons | 6184..6365, 7192..7237 | | |
| GI Descrip. | (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa] | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 1671 | End | 2351 |
| GI | none | Score | 45 |
| Exons | 1671..1703, 1719..1925, 1737..2351, 1765..1932, 1963..2157, 2221..2349 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o1.np | Method | AAT/NAP |
| Start | 1704 | End | 6113 |
| GI | 2586082 | Score | 4354 |
| Exons | 1704..3445, 3533..6113 | | |
| GI Descrip. | (U72725) retrofit [Oryza longistaminata] | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o3.tc | Method | TBLASTX:Cress |
| Start | 1737 | End | 2372 |
| GI | none | Score | 67 |
| Exons | 1737..1922, 1921..2079, 1950..2078, 2088..2153, 2193..2372 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o6.tw | Method | TBLASTX:Wheat |
| Start | 1752 | End | 2108 |
| GI | none | Score | 58 |
| Exons | 1752..1934, 1753..1923, 1953..2108, 1957..2058 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 1761 | End | 2184 |
| GI | none | Score | 104 |
| Exons | 1761..2048, 1771..1947, 1833..2006, 1987..2049, 2050..2184, 2055..2183 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o1.tw | Method | TBLASTX:Wheat |
| Start | 2115 | End | 2552 |
| GI | none | Score | 252 |
| Exons | 2115..2552, 2116..2547 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o5.tm | Method | TBLASTX:Maize |
| Start | 2187 | End | 2420 |
| GI | none | Score | 61 |
| Exons | 2187..2420, 2223..2375, 2224..2418 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o4.tc | Method | TBLASTX:Cress |
| Start | 2382 | End | 2666 |
| GI | none | Score | 202 |
| Exons | 2382..2666 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o2.tm | Method | TBLASTX:Maize |
| Start | 2487 | End | 2934 |
| GI | none | Score | 134 |
| Exons | 2487..2933, 2677..2934 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o3.tw | Method | TBLASTX:Wheat |
| Start | 2553 | End | 3068 |
| GI | none | Score | 52 |
| Exons | 2553..2729, 2721..3065, 2757..2906, 2842..2913, 2938..3048, 2991..3068 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o2.ts | Method | TBLASTX:Soybean |
| Start | 2736 | End | 3257 |
| GI | 5509260 | Score | 109 |
| Exons | 2736..3233, 2743..2907, 2757..2918, 2956..3096, 3135..3257 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o2.tc | Method | TBLASTX:Cress |
| Start | 2847 | End | 3120 |
| GI | none | Score | 114 |
| Exons | 2847..3119, 2848..3120 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o7.tm | Method | TBLASTX:Maize |
| Start | 2937 | End | 3195 |
| GI | none | Score | 98 |
| Exons | 2937..3194, 2953..3195 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 3906 | End | 4352 |
| GI | none | Score | 70 |
| Exons | 3906..4352, 4192..4341 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o4.tm | Method | TBLASTX:Maize |
| Start | 3921 | End | 4247 |
| GI | none | Score | 87 |
| Exons | 3921..4247, 3928..4047, 4069..4101 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o3.ts | Method | TBLASTX:Soybean |
| Start | 3924 | End | 4355 |
| GI | none | Score | 59 |
| Exons | 3924..4355, 4162..4305 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o4.tw | Method | TBLASTX:Wheat |
| Start | 3939 | End | 4544 |
| GI | none | Score | 153 |
| Exons | 3939..4046, 4083..4148, 4146..4349, 4371..4544 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o4.ts | Method | TBLASTX:Soybean |
| Start | 4362 | End | 4763 |
| GI | none | Score | 66 |
| Exons | 4362..4532, 4557..4664, 4689..4763 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o2.tw | Method | TBLASTX:Wheat |
| Start | 4853 | End | 5238 |
| GI | none | Score | 52 |
| Exons | 4853..4933, 4854..5237, 4870..4995, 5053..5238 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o6.tm | Method | TBLASTX:Maize |
| Start | 5061 | End | 5582 |
| GI | none | Score | 92 |
| Exons | 5061..5201, 5190..5297, 5463..5582 | | |

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|---|---|---|---|
| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o5.tw | Method | TBLASTX:Wheat |
| Start | 5451 | End | 5768 |
| GI | none | Score | 95 |
| Exons | 5451..5768, 5560..5742, 5619..5768 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o5.tc | Method | TBLASTX:Cress |
| Start | 5508 | End | 6053 |
| GI | none | Score | 62 |
| Exons | 5508..5894, 5958..6053 | | |

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| Seq. No. | 7121 | Seq. ID | OJ990331_12.9922.C25 |
| Gene No. | 15034 | Strand | - |
| Start | 1704 | End | 6113 |
| Name | OJ990331_12.9922.C25.o3.tm | Method | TBLASTX:Maize |
| Start | 5583 | End | 6017 |
| GI | none | Score | 217 |
| Exons | 5583..5891, 5584..5892, 5958..6017 | | |

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|---|---|---|---|
| Seq. No. | 7122 | Seq. ID | OJ990331_12.9922.C26 |
| Gene No. | 15035 | Strand | - |
| Start | 99 | End | 241 |
| Name | OJ990331_12.9922.C26.o1.gs | Method | GENSCAN |
| Start | 99 | End | 241 |
| GI | none | Score | .68 |
| Exons | 99..241 | | |

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|---|---|---|---|
| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 681 |
| GI | 342_1.R1084 | Score | 1233 |
| Exons | 1..681 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.np | Method | AAT/NAP |
| Start | 1 | End | 681 |
| GI | 4680203 | Score | 981 |
| Exons | 1..681 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.tw | Method | TBLASTX:Wheat |
| Start | 12 | End | 355 |
| GI | none | Score | 260 |
| Exons | 12..347, 12..353, 40..354, 85..354, 164..355 | | |

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| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.gs | Method | GENSCAN |
| Start | 44 | End | 395 |
| GI | none | Score | .6 |
| Exons | 44..395 | | |

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| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.tm | Method | TBLASTX:Maize |
| Start | 94 | End | 482 |
| GI | none | Score | 147 |
| Exons | 94..354, 96..377, 393..482 | | |

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| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.tc | Method | TBLASTX:Cress |
| Start | 141 | End | 489 |
| GI | none | Score | 88 |

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|---|---|---|---|
| Exons | 141..482, 160..297, 337..489 | | |
| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o1.ts | Method | TBLASTX:Soybean |
| Start | 222 | End | 651 |
| GI | none | Score | 115 |
| Exons | 222..518, 240..464, 513..575, | 568..651, 576..650 | |
| Seq. No. | 7123 | Seq. ID | OJ990331_12.9922.C27 |
| Gene No. | 15036 | Strand | - |
| Start | 1 | End | 681 |
| Name | OJ990331_12.9922.C27.o2.tw | Method | TBLASTX:Wheat |
| Start | 363 | End | 677 |
| GI | none | Score | 45 |
| Exons | 363..482, 424..486, 507..578, | 508..555, 564..677 | |
| Seq. No. | 7124 | Seq. ID | OJ990331_12.9922.C28 |
| Gene No. | 15037 | Strand | + |
| Start | 79 | End | 183 |
| Name | OJ990331_12.9922.C28.o1.gs | Method | GENSCAN |
| Start | 79 | End | 183 |
| GI | none | Score | .49 |
| Exons | 79..183 | | |
| Seq. No. | 7125 | Seq. ID | OJ990331_12.9922.C29 |
| Gene No. | 15038 | Strand | + |
| Start | 19 | End | 576 |
| Name | OJ990331_12.9922.C29.o1.gs | Method | GENSCAN |
| Start | 19 | End | 576 |
| GI | none | Score | 1 |
| Exons | 19..576 | | |
| Seq. No. | 7126 | Seq. ID | OJ990331_12.9922.C31 |
| Gene No. | 15039 | Strand | + |
| Start | 284 | End | 1052 |
| Name | OJ990331_12.9922.C31.o1.gs | Method | GENSCAN |
| Start | 284 | End | 810 |
| GI | none | Score | .64 |
| Exons | 284..810 | | |
| Seq. No. | 7126 | Seq. ID | OJ990331_12.9922.C31 |
| Gene No. | 15039 | Strand | + |
| Start | 284 | End | 1052 |
| Name | OJ990331_12.9922.C31.o1.np | Method | AAT/NAP |
| Start | 297 | End | 1052 |
| GI | 5733874 | Score | 187 |
| Exons | 297..772, 920..1052 | | |
| GI Descrip. | (AC007932) F11A17.8 [Arabidopsis thaliana] | | |
| Seq. No. | 7126 | Seq. ID | OJ990331_12.9922.C31 |
| Gene No. | 15039 | Strand | + |
| Start | 284 | End | 1052 |
| Name | OJ990331_12.9922.C31.o1.tm | Method | TBLASTX:Maize |
| Start | 454 | End | 759 |
| GI | none | Score | 221 |

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|---|---|---|---|
| Exons | 454..759, 471..758 | | |
| Seq. No. | 7126 | Seq. ID | OJ990331_12.9922.C31 |
| Gene No. | 15039 | Strand | + |
| Start | 284 | End | 1052 |
| Name | OJ990331_12.9922.C31.o1.ts | Method | TBLASTX:Soybean |
| Start | 570 | End | 759 |
| GI | none | Score | 185 |
| Exons | 570..758, 571..759 | | |
| Seq. No. | 7127 | Seq. ID | OJ990331_12.9922.C34 |
| Gene No. | 15040 | Strand | - |
| Start | 203 | End | 372 |
| Name | OJ990331_12.9922.C34.o1.gs | Method | GENSCAN |
| Start | 203 | End | 372 |
| GI | none | Score | .78 |
| Exons | 203..372 | | |
| Seq. No. | 7128 | Seq. ID | OJ990331_12.9922.C35 |
| Gene No. | 15041 | Strand | + |
| Start | 47 | End | 142 |
| Name | OJ990331_12.9922.C35.o1.gs | Method | GENSCAN |
| Start | 47 | End | 142 |
| GI | none | Score | .74 |
| Exons | 47..142 | | |
| Seq. No. | 7129 | Seq. ID | OJ990331_12.9922.C37 |
| Gene No. | 15042 | Strand | + |
| Start | 439 | End | 523 |
| Name | OJ990331_12.9922.C37.o1.gs | Method | GENSCAN |
| Start | 439 | End | 523 |
| GI | none | Score | .45 |
| Exons | 439..523 | | |
| Seq. No. | 7130 | Seq. ID | OJ990331_12.9922.C38 |
| Gene No. | 15043 | Strand | - |
| Start | 1 | End | 390 |
| Name | OJ990331_12.9922.C38.o1.np | Method | AAT/NAP |
| Start | 1 | End | 390 |
| GI | 2586082 | Score | 233 |
| Exons | 1..390 | | |
| GI Descrip. | (U72725) retrofit [Oryza longistaminata] | | |
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15044 | Strand | + |
| Start | 1137 | End | 1644 |
| Name | OJ990331_12.9922.C39.o1.np | Method | AAT/NAP |
| Start | 1137 | End | 1638 |
| GI | 131268 | Score | 771 |
| Exons | 1137..1638 | | |
| GI Descrip. | PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) gi\|72706\|pir\|\|QJZMBB photosystem II chlorophyll a-binding protein psbB - maize chloroplast gi\|12435\|emb\|CAA28997\| (X05422) psbB [Zea mays] gi\|902247\|emb\|CAA60311\| (X86563) PSII 47KDa protein [Zea mays] | | |
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |

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|---|---|---|---|
| Gene No. | 15044 | Strand | + |
| Start | 1137 | End | 1644 |
| Name | OJ990331_12.9922.C39.o1.gs | Method | GENSCAN |
| Start | 1246 | End | 1644 |
| GI | none | Score | .62 |
| Exons | 1246..1312, 1577..1644 | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15045 | Strand | + |
| Start | 4125 | End | 13097 |
| Name | OJ990331_12.9922.C39.o3.gs | Method | GENSCAN |
| Start | 4125 | End | 12021 |
| GI | none | Score | .7 |
| Exons | 4125..4177, 4542..4654, 4874..4988, 5385..5535, 5562..5630, 5844..5966, 6779..7029, 7112..7422, 10158..10503, 11297..11390, 11896..12021 | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15045 | Strand | + |
| Start | 4125 | End | 13097 |
| Name | OJ990331_12.9922.C39.o2.np | Method | AAT/NAP |
| Start | 10128 | End | 12937 |
| GI | 5852179 | Score | 310 |
| Exons | 10128..10349, 12708..12937 | | |
| GI Descrip. | (AL117265) zhb0009.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15045 | Strand | + |
| Start | 4125 | End | 13097 |
| Name | OJ990331_12.9922.C39.o4.gs | Method | GENSCAN |
| Start | 12465 | End | 13097 |
| GI | none | Score | .95 |
| Exons | 12465..13097 | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15046 | Strand | + |
| Start | 16669 | End | 18562 |
| Name | OJ990331_12.9922.C39.o6.gs | Method | GENSCAN |
| Start | 16669 | End | 18562 |
| GI | none | Score | .64 |
| Exons | 16669..16749, 17350..17493, 17729..18562 | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15047 | Strand | - |
| Start | 2153 | End | 2431 |
| Name | OJ990331_12.9922.C39.o2.gs | Method | GENSCAN |
| Start | 2153 | End | 2431 |
| GI | none | Score | .86 |
| Exons | 2153..2262, 2359..2431 | | |

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|---|---|---|---|
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15048 | Strand | - |
| Start | 8311 | End | 8933 |
| Name | OJ990331_12.9922.C39.o1.gp | Method | AAT/GAP |
| Start | 8311 | End | 8933 |
| GI | 3761363 | Score | 976 |
| Exons | 8311..8933 | | |

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|---|---|---|---|
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |
| Seq. No. | 7131 | Seq. ID | OJ990331_12.9922.C39 |
| Gene No. | 15049 | Strand | - |
| Start | 11767 | End | 12498 |
| Name | OJ990331_12.9922.C39.o3.gp | Method | AAT/GAP |
| Start | 11767 | End | 12498 |
| GI | 101153_1.R1084 | Score | 405 |
| Exons | 11767..12008, 12456..12498 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |
| Seq. No. | 7132 | Seq. ID | OJ990331_12.9922.C40 |
| Gene No. | 15050 | Strand | + |
| Start | 110 | End | 1002 |
| Name | OJ990331_12.9922.C40.o1.gs | Method | GENSCAN |
| Start | 110 | End | 1002 |
| GI | none | Score | .96 |
| Exons | 110..416, 492..551, 818..1002 | | |
| Seq. No. | 7133 | Seq. ID | OJ990331_12.9922.C46 |
| Gene No. | 15051 | Strand | + |
| Start | 384 | End | 503 |
| Name | OJ990331_12.9922.C46.o1.gs | Method | GENSCAN |
| Start | 384 | End | 503 |
| GI | none | Score | .44 |
| Exons | 384..503 | | |
| Seq. No. | 7133 | Seq. ID | OJ990331_12.9922.C46 |
| Gene No. | 15052 | Strand | - |
| Start | 1 | End | 1646 |
| Name | OJ990331_12.9922.C46.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1646 |
| GI | 629693 | Score | 261 |
| Exons | 1..27, 933..1646 | | |
| GI Descrip. | probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum] | | |
| Seq. No. | 7133 | Seq. ID | OJ990331_12.9922.C46 |
| Gene No. | 15052 | Strand | - |
| Start | 1 | End | 1646 |
| Name | OJ990331_12.9922.C46.o1.ts | Method | TBLASTX:Soybean |
| Start | 925 | End | 1148 |
| GI | none | Score | 46 |
| Exons | 925..963, 930..1148, 936..1118, 1003..1131 | | |
| Seq. No. | 7133 | Seq. ID | OJ990331_12.9922.C46 |
| Gene No. | 15052 | Strand | - |
| Start | 1 | End | 1646 |
| Name | OJ990331_12.9922.C46.o2.np | Method | AAT/NAP |
| Start | 936 | End | 1646 |
| GI | 4115365 | Score | 305 |
| Exons | 936..1646 | | |
| GI Descrip. | (AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7133 | Seq. ID | OJ990331_12.9922.C46 |
| Gene No. | 15052 | Strand | - |
| Start | 1 | End | 1646 |
| Name | OJ990331_12.9922.C46.o2.gs | Method | GENSCAN |
| Start | 987 | End | 1541 |
| GI | none | Score | .99 |
| Exons | 987..1541 | | |

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|---|---|---|---|
| Seq. No. | 7134 | Seq. ID | OJ990421_12.9919.C4 |
| Gene No. | 15053 | Strand | + |
| Start | 154 | End | 251 |
| Name | OJ990421_12.9919.C4.o1.gs | Method | GENSCAN |
| Start | 154 | End | 251 |
| GI | none | Score | .56 |
| Exons | 154..251 | | |

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|---|---|---|---|
| Seq. No. | 7135 | Seq. ID | OJ990421_12.9919.C5 |
| Gene No. | 15054 | Strand | + |
| Start | 59 | End | 938 |
| Name | OJ990421_12.9919.C5.o1.gs | Method | GENSCAN |
| Start | 59 | End | 938 |
| GI | none | Score | .48 |
| Exons | 59..938 | | |

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|---|---|---|---|
| Seq. No. | 7136 | Seq. ID | OJ990421_12.9919.C6 |
| Gene No. | 15055 | Strand | + |
| Start | 93 | End | 166 |
| Name | OJ990421_12.9919.C6.o1.gs | Method | GENSCAN |
| Start | 93 | End | 166 |
| GI | none | Score | .85 |
| Exons | 93..166 | | |

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|---|---|---|---|
| Seq. No. | 7137 | Seq. ID | OJ990421_12.9919.C7 |
| Gene No. | 15056 | Strand | + |
| Start | 1 | End | 570 |
| Name | OJ990421_12.9919.C7.o2.np | Method | AAT/NAP |
| Start | 1 | End | 570 |
| GI | 4680183 | Score | 142 |
| Exons | 1..105, 481..570 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7137 | Seq. ID | OJ990421_12.9919.C7 |
| Gene No. | 15057 | Strand | - |
| Start | 1 | End | 448 |
| Name | OJ990421_12.9919.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 448 |
| GI | 6721561 | Score | 135 |
| Exons | 1..95, 358..448 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15058 | Strand | + |
| Start | 3719 | End | 4485 |

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|---|---|---|---|
| Name | OJ990421_12.9919.C8.o3.np | Method | AAT/NAP |
| Start | 3719 | End | 4485 |
| GI | 4680183 | Score | 149 |
| Exons | 3719..3789, 4398..4485 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1860 |
| GI | 4680179 | Score | 2357 |
| Exons | 1..60, 450..1860 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o1.gs | Method | GENSCAN |
| Start | 392 | End | 4494 |
| GI | none | Score | .44 |
| Exons | 392..997, 1030..1860, 2248..2346, 2420..3013, 3343..3478, 3689..3784, 4433..4494 | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 582 | End | 796 |
| GI | none | Score | 74 |
| Exons | 582..644, 584..724, 594..710, 726..791, 731..796 | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o3.tw | Method | TBLASTX:Wheat |
| Start | 992 | End | 1234 |
| GI | none | Score | 47 |
| Exons | 992..1087, 993..1064, 1099..1233, 1145..1234 | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 1099 | End | 1353 |
| GI | none | Score | 95 |
| Exons | 1099..1353, 1099..1353 | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 1234 | End | 1593 |
| GI | none | Score | 96 |
| Exons | 1234..1593, 1235..1468, 1513..1563 | | |

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|---|---|---|---|
| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |

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|---|---|---|---|
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o2.np | Method | AAT/NAP |
| Start | 2117 | End | 2947 |
| GI | 5042448 | Score | 1140 |
| Exons | 2117..2947 | | |
| GI Descrip. | (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa] | | |

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| Seq. No. | 7138 | Seq. ID | OJ990421_12.9919.C8 |
| Gene No. | 15059 | Strand | - |
| Start | 1 | End | 4494 |
| Name | OJ990421_12.9919.C8.o1.gp | Method | AAT/GAP |
| Start | 3575 | End | 3785 |
| GI | 1631463 | Score | 343 |
| Exons | 3575..3785 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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|---|---|---|---|
| Seq. No. | 7139 | Seq. ID | OJ990421_12.9919.C9 |
| Gene No. | 15060 | Strand | + |
| Start | 340 | End | 1095 |
| Name | OJ990421_12.9919.C9.o1.np | Method | AAT/NAP |
| Start | 340 | End | 1095 |
| GI | 4680179 | Score | 678 |
| Exons | 340..1095 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7139 | Seq. ID | OJ990421_12.9919.C9 |
| Gene No. | 15060 | Strand | + |
| Start | 340 | End | 1095 |
| Name | OJ990421_12.9919.C9.o1.gs | Method | GENSCAN |
| Start | 385 | End | 1056 |
| GI | none | Score | .78 |
| Exons | 385..1056 | | |

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|---|---|---|---|
| Seq. No. | 7139 | Seq. ID | OJ990421_12.9919.C9 |
| Gene No. | 15060 | Strand | + |
| Start | 340 | End | 1095 |
| Name | OJ990421_12.9919.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 556 | End | 915 |
| GI | none | Score | 282 |
| Exons | 556..915, 582..659, 595..906 | | |

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| Seq. No. | 7139 | Seq. ID | OJ990421_12.9919.C9 |
| Gene No. | 15060 | Strand | + |
| Start | 340 | End | 1095 |
| Name | OJ990421_12.9919.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 796 | End | 1095 |
| GI | none | Score | 237 |
| Exons | 796..1095 | | |

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|---|---|---|---|
| Seq. No. | 7140 | Seq. ID | OJ990421_12.9919.C10 |
| Gene No. | 15061 | Strand | - |
| Start | 1 | End | 449 |
| Name | OJ990421_12.9919.C10.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1 | End | 449 |
| GI | 4680179 | Score | 734 |
| Exons | 1..449 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7140 | Seq. ID | OJ990421_12.9919.C10 |
| Gene No. | 15061 | Strand | - |
| Start | 1 | End | 449 |
| Name | OJ990421_12.9919.C10.o1.gs | Method | GENSCAN |
| Start | 51 | End | 449 |
| GI | none | Score | .56 |
| Exons | 51..449 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o2.np | Method | AAT/NAP |
| Start | 1 | End | 7008 |
| GI | 4680183 | Score | 228 |
| Exons | 1..128, 3791..3920, 6209..6310, 6919..7008 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o1.gs | Method | GENSCAN |
| Start | 38 | End | 8152 |
| GI | none | Score | .52 |
| Exons | 38..789, 1494..1686, 2011..2833, 3050..4392, 4573..5026, 5365..5444, 6221..6310, 6919..6964, 7656..8152 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o1.np | Method | AAT/NAP |
| Start | 1753 | End | 5061 |
| GI | 3645899 | Score | 3866 |
| Exons | 1753..3200, 3312..5061 | | |
| GI Descrip. | (U68408) 5' end not determined experimentally [Zea mays] | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o3.np | Method | AAT/NAP |
| Start | 7859 | End | 20232 |
| GI | 5852175 | Score | 273 |
| Exons | 7859..8194, 8522..8776, 13165..13333, 14180..14311, 20186..20232 | | |
| GI Descrip. | (AL117265) zhb0005.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o2.gs | Method | GENSCAN |
| Start | 10180 | End | 19612 |
| GI | none | Score | .45 |
| Exons | 10180..10357, 10498..10662, 11892..12122, 12186..12291, 12651..12833, 13067..13317, 13638..13707, 16337..16460, | | |

16628..17128, 17669..17769, 17957..18015, 19512..19612

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o4.np | Method | AAT/NAP |
| Start | 16040 | End | 17770 |
| GI | 6907087 | Score | 1054 |
| Exons | 16040..16413, 16459..17128, 17669..17770 | | |
| GI Descrip. | (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15062 | Strand | + |
| Start | 1 | End | 20232 |
| Name | OJ990421_12.9919.C11.o4.gp | Method | AAT/GAP |
| Start | 18228 | End | 18607 |
| GI | uC-osf1cyp033a04b1 | Score | 625 |
| Exons | 18228..18607 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15063 | Strand | - |
| Start | 5256 | End | 5427 |
| Name | OJ990421_12.9919.C11.o1.gp | Method | AAT/GAP |
| Start | 5256 | End | 5427 |
| GI | LIB3433-026-P1-K1-C1 | Score | 235 |
| Exons | 5256..5427 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15064 | Strand | - |
| Start | 6096 | End | 6305 |
| Name | OJ990421_12.9919.C11.o2.gp | Method | AAT/GAP |
| Start | 6096 | End | 6305 |
| GI | 1631463 | Score | 347 |
| Exons | 6096..6305 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o7.tm | Method | TBLASTX:Maize |
| Start | 1654 | End | 1929 |
| GI | none | Score | 71 |
| Exons | 1654..1707, 1657..1707, 1713..1928, 1723..1929 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 2005 | End | 2387 |

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|---|---|---|---|
| GI | none | Score | 76 |
| Exons | 2005..2067, 2056..2121, 2119..2385, 2126..2383, 2127..2387, 2127..2384 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o2.tw | Method | TBLASTX:Wheat |
| Start | 2161 | End | 2730 |
| GI | none | Score | 262 |
| Exons | 2161..2409, 2163..2393, 2421..2447, 2421..2447, 2449..2574, 2458..2517, 2560..2727, 2575..2730 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 2396 | End | 3087 |
| GI | none | Score | 106 |
| Exons | 2396..2464, 2397..2471, 2398..2469, 2470..2574, 2574..3044, 2575..3057, 2576..3082, 2578..3087 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 2575 | End | 3036 |
| GI | none | Score | 225 |
| Exons | 2575..2886, 2935..3036 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 3400 | End | 3693 |
| GI | none | Score | 153 |
| Exons | 3400..3690, 3402..3692, 3423..3692, 3430..3693 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 3426 | End | 4034 |
| GI | 5509260 | Score | 66 |
| Exons | 3426..3527, 3427..3657, 3430..3645, 3643..4032, 3651..4034, 3652..4032 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 3568 | End | 4020 |
| GI | none | Score | 90 |
| Exons | 3568..3642, 3643..3672, 3673..4020, 3675..4007 | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |

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|---|---|---|---|
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 3634 | End | 3915 |
| GI | none | Score | 214 |
| Exons | 3634..3915, 3639..3896 | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 3694 | End | 4161 |
| GI | none | Score | 636 |
| Exons | 3694..4161, 3696..4160 | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 4203 | End | 4386 |
| GI | none | Score | 134 |
| Exons | 4203..4346, 4203..4385, 4204..4386 | | |

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| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o3.tw | Method | TBLASTX:Wheat |
| Start | 4204 | End | 4620 |
| GI | none | Score | 95 |
| Exons | 4204..4368, 4384..4620 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 4387 | End | 5064 |
| GI | none | Score | 976 |
| Exons | 4387..5058, 4395..4997, 4768..5064 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 4405 | End | 5046 |
| GI | none | Score | 296 |
| Exons | 4405..4803, 4614..4793, 4813..5046, 4830..4898 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o2.tc | Method | TBLASTX:Cress |
| Start | 4585 | End | 5043 |
| GI | none | Score | 63 |
| Exons | 4585..4671, 4678..4812, 4831..5043 | | |

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|---|---|---|---|
| Seq. No. | 7141 | Seq. ID | OJ990421_12.9919.C11 |
| Gene No. | 15065 | Strand | - |

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|---|---|---|---|
| Start | 18161 | End | 18361 |
| Name | OJ990421_12.9919.C11.o5.np | Method | AAT/NAP |
| Start | 18161 | End | 18361 |
| GI | 4680186 | Score | 306 |
| Exons | 18161..18361 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |
| Gene No. | 15066 | Strand | + |
| Start | 1 | End | 361 |
| Name | OJ990421_12.9919.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 361 |
| GI | 6907087 | Score | 105 |
| Exons | 1..115, 260..361 | | |
| GI Descrip. | (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |
| Gene No. | 15067 | Strand | + |
| Start | 819 | End | 2979 |
| Name | OJ990421_12.9919.C12.o1.gp | Method | AAT/GAP |
| Start | 819 | End | 1198 |
| GI | uC-osflcyp033a04b1 | Score | 629 |
| Exons | 819..1198 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |
| Gene No. | 15067 | Strand | + |
| Start | 819 | End | 2979 |
| Name | OJ990421_12.9919.C12.o1.gs | Method | GENSCAN |
| Start | 997 | End | 2979 |
| GI | none | Score | .55 |
| Exons | 997..1067, 1640..1715, 1885..2979 | | |

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|---|---|---|---|
| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |
| Gene No. | 15068 | Strand | + |
| Start | 6344 | End | 6727 |
| Name | OJ990421_12.9919.C12.o2.gp | Method | AAT/GAP |
| Start | 6344 | End | 6727 |
| GI | uC-osflcyp033a04b1 | Score | 681 |
| Exons | 6344..6727 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |
| Gene No. | 15069 | Strand | - |
| Start | 1 | End | 11172 |
| Name | OJ990421_12.9919.C12.o3.np | Method | AAT/NAP |
| Start | 1 | End | 11172 |
| GI | 5852180 | Score | 592 |
| Exons | 1..68, 4265..4306, 5005..5408, 5460..5578, 6568..6657, 11128..11172 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7142 | Seq. ID | OJ990421_12.9919.C12 |

| | | | |
|---|---|---|---|
| Gene No. | 15069 | Strand | - |
| Start | 1 | End | 11172 |
| Name | OJ990421_12.9919.C12.o2.np | Method | AAT/NAP |
| Start | 752 | End | 2696 |
| GI | 4680186 | Score | 316 |
| Exons | 752..952, 2667..2696 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7143 | Seq. ID | OJ990421_12.9919.C13 |
| Gene No. | 15070 | Strand | + |
| Start | 129 | End | 195 |
| Name | OJ990421_12.9919.C13.o1.gs | Method | GENSCAN |
| Start | 129 | End | 195 |
| GI | none | Score | .62 |
| Exons | 129..195 | | |

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|---|---|---|---|
| Seq. No. | 7143 | Seq. ID | OJ990421_12.9919.C13 |
| Gene No. | 15071 | Strand | + |
| Start | 2520 | End | 4687 |
| Name | OJ990421_12.9919.C13.o2.gs | Method | GENSCAN |
| Start | 2520 | End | 4687 |
| GI | none | Score | .44 |
| Exons | 2520..2525, 3593..3784, 4556..4687 | | |

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|---|---|---|---|
| Seq. No. | 7143 | Seq. ID | OJ990421_12.9919.C13 |
| Gene No. | 15072 | Strand | - |
| Start | 462 | End | 1129 |
| Name | OJ990421_12.9919.C13.o1.np | Method | AAT/NAP |
| Start | 462 | End | 1129 |
| GI | 6721507 | Score | 77 |
| Exons | 462..659, 919..1129 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7144 | Seq. ID | OJ990421_12.9919.C15 |
| Gene No. | 15073 | Strand | - |
| Start | 232 | End | 238 |
| Name | OJ990421_12.9919.C15.o1.gs | Method | GENSCAN |
| Start | 232 | End | 238 |
| GI | none | Score | .55 |
| Exons | 232..238 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15074 | Strand | + |
| Start | 396 | End | 871 |
| Name | OJ990421_12.9919.C16.o1.gs | Method | GENSCAN |
| Start | 396 | End | 871 |
| GI | none | Score | .51 |
| Exons | 396..456, 699..871 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15075 | Strand | + |
| Start | 6361 | End | 7153 |
| Name | OJ990421_12.9919.C16.o1.gp | Method | AAT/GAP |
| Start | 4993 | End | 5453 |
| GI | LIB3432-059-P1-K1-D8 | Score | 742 |
| Exons | 4993..5453 | | |
| GI Descrip. | '5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic | | |

DNA, chromosome 6, clone:P0538C01'

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15075 | Strand | + |
| Start | 6361 | End | 7153 |
| Name | OJ990421_12.9919.C16.o4.gs | Method | GENSCAN |
| Start | 6361 | End | 7153 |
| GI | none | Score | .98 |
| Exons | 6361..6504, 6680..7153 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15076 | Strand | - |
| Start | 1425 | End | 1807 |
| Name | OJ990421_12.9919.C16.o2.gs | Method | GENSCAN |
| Start | 1425 | End | 1807 |
| GI | none | Score | .76 |
| Exons | 1425..1655, 1712..1807 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15077 | Strand | - |
| Start | 3570 | End | 4876 |
| Name | OJ990421_12.9919.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 1632 | End | 4020 |
| GI | none | Score | 48 |
| Exons | 1632..1670, 1632..1733, 1633..1731, 1749..1832, 1762..1827, 1764..1832, 1903..2010, 2027..2128, 3576..3731, 3763..4020, 3776..3922, 3781..3939 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15077 | Strand | - |
| Start | 3570 | End | 4876 |
| Name | OJ990421_12.9919.C16.o3.gs | Method | GENSCAN |
| Start | 3570 | End | 4876 |
| GI | none | Score | .87 |
| Exons | 3570..3756, 3821..4002, 4772..4876 | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15077 | Strand | - |
| Start | 3570 | End | 4876 |
| Name | OJ990421_12.9919.C16.o1.np | Method | AAT/NAP |
| Start | 3575 | End | 4007 |
| GI | 6742729 | Score | 195 |
| Exons | 3575..4007 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7145 | Seq. ID | OJ990421_12.9919.C16 |
| Gene No. | 15077 | Strand | - |
| Start | 3570 | End | 4876 |
| Name | OJ990421_12.9919.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 3811 | End | 4017 |
| GI | none | Score | 104 |
| Exons | 3811..4017, 3812..4012 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15078 | Strand | + |
| Start | 97 | End | 1736 |
| Name | OJ990421_12.9919.C19.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 97 | End | 1736 |
| GI | 4680502 | Score | 100 |
| Exons | 97..360, 845..1028, 1680..1736 | | |
| GI Descrip. | (AF119222) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o1.gp | Method | AAT/GAP |
| Start | 14360 | End | 14952 |
| GI | 2310235 | Score | 287 |
| Exons | 14360..14397, 14813..14952 | | |
| GI Descrip. | 5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o2.gs | Method | GENSCAN |
| Start | 14813 | End | 18115 |
| GI | none | Score | .97 |
| Exons | 14813..15595, 15731..18115 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o3.np | Method | AAT/NAP |
| Start | 14813 | End | 18094 |
| GI | 4680203 | Score | 3208 |
| Exons | 14813..16456, 16610..16840, 17117..18094 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o2.gp | Method | AAT/GAP |
| Start | 14817 | End | 18876 |
| GI | 342_1.R1084 | Score | 6339 |
| Exons | 14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18876 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o4.gp | Method | AAT/GAP |
| Start | 14817 | End | 18869 |
| GI | 342_1.R1084 | Score | 6335 |
| Exons | 14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18869 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |

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|---|---|---|---|
| Name | OJ990421_12.9919.C19.o3.gp | Method | AAT/GAP |
| Start | 14817 | End | 18878 |
| GI | 342_1.R1084 | Score | 6339 |
| Exons | 14817..18187, 18223..18242, 18325..18422, 18532..18774, 18827..18878 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o5.gp | Method | AAT/GAP |
| Start | 14950 | End | 18777 |
| GI | 342_1.R1084 | Score | 6163 |
| Exons | 14950..18187, 18223..18242, 18325..18422, 18532..18777 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15079 | Strand | + |
| Start | 14360 | End | 18878 |
| Name | OJ990421_12.9919.C19.o6.gp | Method | AAT/GAP |
| Start | 14954 | End | 18777 |
| GI | 342_1.R1084 | Score | 6163 |
| Exons | 14954..18187, 18223..18242, 18325..18422, 18532..18777 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15080 | Strand | - |
| Start | 5398 | End | 12988 |
| Name | OJ990421_12.9919.C19.o2.np | Method | AAT/NAP |
| Start | 5398 | End | 12988 |
| GI | 6063554 | Score | 255 |
| Exons | 5398..5570, 6209..6241, 7619..7842, 8093..8353, 12958..12988 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o4.tw | Method | TBLASTX:Wheat |
| Start | 15150 | End | 15469 |
| GI | none | Score | 103 |
| Exons | 15150..15257, 15164..15271, 15254..15304, 15259..15318, 15310..15468, 15311..15469 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o1.ts | Method | TBLASTX:Soybean |
| Start | 15406 | End | 15835 |
| GI | none | Score | 89 |
| Exons | 15406..15492, 15407..15481, 15539..15835, 15593..15817 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |

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|---|---|---|---|
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o2.tc | Method | TBLASTX:Cress |
| Start | 15568 | End | 15913 |
| GI | none | Score | 304 |
| Exons | 15568..15720, 15575..15913, 15760..15912 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o2.tw | Method | TBLASTX:Wheat |
| Start | 15704 | End | 16173 |
| GI | none | Score | 72 |
| Exons | 15704..15757, 15712..15756, 15758..15862, 15769..15858, 15866..15964, 15871..15963, 15944..16168, 15964..16173, 15965..16168, 15967..16173 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 15761 | End | 16207 |
| GI | none | Score | 243 |
| Exons | 15761..16003, 15769..16002, 16013..16207 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o2.ts | Method | TBLASTX:Soybean |
| Start | 16037 | End | 16279 |
| GI | none | Score | 211 |
| Exons | 16037..16279 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o3.tw | Method | TBLASTX:Wheat |
| Start | 16312 | End | 16722 |
| GI | none | Score | 87 |
| Exons | 16312..16362, 16313..16375, 16361..16603, 16381..16563, 16633..16716, 16636..16722, 16637..16720 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 16723 | End | 18040 |
| GI | none | Score | 880 |
| Exons | 16723..17625, 16724..17641, 17636..17680, 17640..17675, 17683..17778, 17687..17746, 17725..17865, 17726..17866, 17868..17942, 17879..17959, 17948..18040, 17974..18039 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o2.tm | Method | TBLASTX:Maize |
| Start | 16766 | End | 17080 |

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|---|---|---|---|
| GI | none | Score | 314 |
| Exons | 16766..17080, 16777..17052, 16850..17080 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o1.tc | Method | TBLASTX:Cress |
| Start | 17007 | End | 17458 |
| GI | none | Score | 173 |
| Exons | 17007..17189, 17011..17448, 17011..17454, 17015..17458, 17021..17458 | | |

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|---|---|---|---|
| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o3.gs | Method | GENSCAN |
| Start | 19212 | End | 22951 |
| GI | none | Score | .45 |
| Exons | 19212..19312, 19608..19874, 20103..20245, 21637..21796, 22774..22951 | | |

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| Seq. No. | 7146 | Seq. ID | OJ990421_12.9919.C19 |
| Gene No. | 15081 | Strand | - |
| Start | 19212 | End | 22951 |
| Name | OJ990421_12.9919.C19.o4.np | Method | AAT/NAP |
| Start | 19218 | End | 19824 |
| GI | 1006761 | Score | 156 |
| Exons | 19218..19312, 19575..19824 | | |
| GI Descrip. | (X81707) Thionin class 1 [Tulipa gesneriana] | | |

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| Seq. No. | 7147 | Seq. ID | OJ990421_12.9919.C20 |
| Gene No. | 15082 | Strand | - |
| Start | 135 | End | 213 |
| Name | OJ990421_12.9919.C20.o1.gs | Method | GENSCAN |
| Start | 135 | End | 213 |
| GI | none | Score | .64 |
| Exons | 135..213 | | |

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|---|---|---|---|
| Seq. No. | 7148 | Seq. ID | OJ990421_12.9919.C21 |
| Gene No. | 15083 | Strand | + |
| Start | 767 | End | 3297 |
| Name | OJ990421_12.9919.C21.o1.np | Method | AAT/NAP |
| Start | 767 | End | 1183 |
| GI | 135794 | Score | 165 |
| Exons | 767..1183 | | |
| GI Descrip. | LEAF-SPECIFIC THIONIN PRECURSOR (CLONES PKG1348, PKG1940, PKG2872 AND DG3) gi\|167102 (M19046) precursor thionin [Hordeum vulgare] gi\|167104 (M19047) precursor thionin [Hordeum vulgare] gi\|167106 (M19048) precursor thionin [Hordeum vulgare] | | |

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|---|---|---|---|
| Seq. No. | 7148 | Seq. ID | OJ990421_12.9919.C21 |
| Gene No. | 15083 | Strand | + |
| Start | 767 | End | 3297 |
| Name | OJ990421_12.9919.C21.o1.gs | Method | GENSCAN |
| Start | 776 | End | 3188 |
| GI | none | Score | .41 |
| Exons | 776..1166, 2265..3188 | | |

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|---|---|---|---|
| Seq. No. | 7148 | Seq. ID | OJ990421_12.9919.C21 |
| Gene No. | 15083 | Strand | + |
| Start | 767 | End | 3297 |
| Name | OJ990421_12.9919.C21.o2.np | Method | AAT/NAP |
| Start | 857 | End | 991 |
| GI | 135797 | Score | 154 |
| Exons | 857..991 | | |
| GI Descrip. | PHORATOXIN gi\|69605\|pir\|\|VFFD1T phoratoxin - California mistletoe | | |

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|---|---|---|---|
| Seq. No. | 7148 | Seq. ID | OJ990421_12.9919.C21 |
| Gene No. | 15083 | Strand | + |
| Start | 767 | End | 3297 |
| Name | OJ990421_12.9919.C21.o3.np | Method | AAT/NAP |
| Start | 1968 | End | 3297 |
| GI | 6907087 | Score | 907 |
| Exons | 1968..2335, 2380..3091, 3211..3297 | | |
| GI Descrip. | (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7149 | Seq. ID | OJ990421_12.9919.C23 |
| Gene No. | 15084 | Strand | + |
| Start | 264 | End | 435 |
| Name | OJ990421_12.9919.C23.o1.gs | Method | GENSCAN |
| Start | 264 | End | 435 |
| GI | none | Score | .71 |
| Exons | 264..435 | | |

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| Seq. No. | 7150 | Seq. ID | OJ990421_12.9919.C25 |
| Gene No. | 15085 | Strand | - |
| Start | 384 | End | 690 |
| Name | OJ990421_12.9919.C25.o1.gs | Method | GENSCAN |
| Start | 384 | End | 690 |
| GI | none | Score | .52 |
| Exons | 384..431, 560..583, 688..690 | | |

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|---|---|---|---|
| Seq. No. | 7151 | Seq. ID | OJ990421_12.9919.C26 |
| Gene No. | 15086 | Strand | + |
| Start | 384 | End | 414 |
| Name | OJ990421_12.9919.C26.o1.gs | Method | GENSCAN |
| Start | 384 | End | 414 |
| GI | none | Score | .43 |
| Exons | 384..414 | | |

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|---|---|---|---|
| Seq. No. | 7151 | Seq. ID | OJ990421_12.9919.C26 |
| Gene No. | 15087 | Strand | - |
| Start | 1 | End | 516 |
| Name | OJ990421_12.9919.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 516 |
| GI | 4680502 | Score | 117 |
| Exons | 1..243, 452..516 | | |
| GI Descrip. | (AF119222) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7152 | Seq. ID | OJ990421_12.9919.C27 |
| Gene No. | 15088 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 738 |
| Name | OJ990421_12.9919.C27.o1.np | Method | AAT/NAP |
| Start | 1 | End | 738 |
| GI | 4680179 | Score | 677 |
| Exons | 1..738 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7152 | Seq. ID | OJ990421_12.9919.C27 |
| Gene No. | 15088 | Strand | + |
| Start | 1 | End | 738 |
| Name | OJ990421_12.9919.C27.o1.gs | Method | GENSCAN |
| Start | 82 | End | 621 |
| GI | none | Score | .73 |
| Exons | 82..621 | | |

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|---|---|---|---|
| Seq. No. | 7152 | Seq. ID | OJ990421_12.9919.C27 |
| Gene No. | 15088 | Strand | + |
| Start | 1 | End | 738 |
| Name | OJ990421_12.9919.C27.o1.tw | Method | TBLASTX:Wheat |
| Start | 124 | End | 480 |
| GI | none | Score | 281 |
| Exons | 124..480, 147..224, 160..471 | | |

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|---|---|---|---|
| Seq. No. | 7152 | Seq. ID | OJ990421_12.9919.C27 |
| Gene No. | 15088 | Strand | + |
| Start | 1 | End | 738 |
| Name | OJ990421_12.9919.C27.o1.tm | Method | TBLASTX:Maize |
| Start | 361 | End | 666 |
| GI | none | Score | 239 |
| Exons | 361..666 | | |

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|---|---|---|---|
| Seq. No. | 7153 | Seq. ID | OJ990421_12.9919.C28 |
| Gene No. | 15089 | Strand | - |
| Start | 1 | End | 722 |
| Name | OJ990421_12.9919.C28.o1.np | Method | AAT/NAP |
| Start | 1 | End | 722 |
| GI | 4680179 | Score | 799 |
| Exons | 1..722 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7153 | Seq. ID | OJ990421_12.9919.C28 |
| Gene No. | 15089 | Strand | - |
| Start | 1 | End | 722 |
| Name | OJ990421_12.9919.C28.o1.gs | Method | GENSCAN |
| Start | 383 | End | 652 |
| GI | none | Score | .43 |
| Exons | 383..652 | | |

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|---|---|---|---|
| Seq. No. | 7154 | Seq. ID | OJ990421_12.9919.C33 |
| Gene No. | 15090 | Strand | + |
| Start | 1 | End | 554 |
| Name | OJ990421_12.9919.C33.o1.np | Method | AAT/NAP |
| Start | 1 | End | 529 |
| GI | 2062155 | Score | 78 |
| Exons | 1..84, 167..237, 325..529 | | |
| GI Descrip. | (AC001645) mitochondrial processing peptidase alpha subunit precusor isolog [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7154 | Seq. ID | OJ990421_12.9919.C33 |
| Gene No. | 15090 | Strand | + |
| Start | 1 | End | 554 |
| Name | OJ990421_12.9919.C33.o1.gp | Method | AAT/GAP |
| Start | 48 | End | 554 |
| GI | 4632_1.R1084 | Score | 265 |
| Exons | 48..84, 167..237, 325..374, 519..554 | | |
| GI Descrip. | '4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes' | | |

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|---|---|---|---|
| Seq. No. | 7154 | Seq. ID | OJ990421_12.9919.C33 |
| Gene No. | 15090 | Strand | + |
| Start | 1 | End | 554 |
| Name | OJ990421_12.9919.C33.o1.gs | Method | GENSCAN |
| Start | 167 | End | 374 |
| GI | none | Score | .65 |
| Exons | 167..237, 325..374 | | |

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|---|---|---|---|
| Seq. No. | 7155 | Seq. ID | OJ990421_12.9919.C34 |
| Gene No. | 15091 | Strand | + |
| Start | 1 | End | 907 |
| Name | OJ990421_12.9919.C34.o1.np | Method | AAT/NAP |
| Start | 1 | End | 205 |
| GI | 5852178 | Score | 116 |
| Exons | 1..205 | | |
| GI Descrip. | (AL117265) zhb0008.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7155 | Seq. ID | OJ990421_12.9919.C34 |
| Gene No. | 15091 | Strand | + |
| Start | 1 | End | 907 |
| Name | OJ990421_12.9919.C34.o2.np | Method | AAT/NAP |
| Start | 1 | End | 907 |
| GI | 6063554 | Score | 167 |
| Exons | 1..91, 736..907 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7155 | Seq. ID | OJ990421_12.9919.C34 |
| Gene No. | 15091 | Strand | + |
| Start | 1 | End | 907 |
| Name | OJ990421_12.9919.C34.o1.gs | Method | GENSCAN |
| Start | 111 | End | 208 |
| GI | none | Score | .54 |
| Exons | 111..208 | | |

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|---|---|---|---|
| Seq. No. | 7156 | Seq. ID | OJ990421_12.9919.C35 |
| Gene No. | 15092 | Strand | - |
| Start | 337 | End | 906 |
| Name | OJ990421_12.9919.C35.o1.gs | Method | GENSCAN |
| Start | 337 | End | 906 |
| GI | none | Score | .73 |
| Exons | 337..509, 616..760, 790..906 | | |

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|---|---|---|---|
| Seq. No. | 7157 | Seq. ID | OJ990421_12.9919.C36 |

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|---|---|---|---|
| Gene No. | 15093 | Strand | - |
| Start | 1006 | End | 1197 |
| Name | OJ990421_12.9919.C36.o1.gs | Method | GENSCAN |
| Start | 1006 | End | 1197 |
| GI | none | Score | .61 |
| Exons | 1006..1197 | | |

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|---|---|---|---|
| Seq. No. | 7158 | Seq. ID | OJ990421_12.9919.C37 |
| Gene No. | 15094 | Strand | - |
| Start | 201 | End | 267 |
| Name | OJ990421_12.9919.C37.o1.gs | Method | GENSCAN |
| Start | 201 | End | 267 |
| GI | none | Score | .58 |
| Exons | 201..267 | | |

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|---|---|---|---|
| Seq. No. | 7159 | Seq. ID | OJ990421_12.9919.C38 |
| Gene No. | 15095 | Strand | + |
| Start | 523 | End | 775 |
| Name | OJ990421_12.9919.C38.o1.gs | Method | GENSCAN |
| Start | 523 | End | 775 |
| GI | none | Score | .74 |
| Exons | 523..775 | | |

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|---|---|---|---|
| Seq. No. | 7160 | Seq. ID | OJ990421_12.9919.C39 |
| Gene No. | 15096 | Strand | + |
| Start | 1 | End | 411 |
| Name | OJ990421_12.9919.C39.o1.np | Method | AAT/NAP |
| Start | 1 | End | 411 |
| GI | 6063554 | Score | 153 |
| Exons | 1..24, 235..411 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7161 | Seq. ID | OJ990421_12.9919.C40 |
| Gene No. | 15097 | Strand | + |
| Start | 335 | End | 516 |
| Name | OJ990421_12.9919.C40.o1.gs | Method | GENSCAN |
| Start | 335 | End | 516 |
| GI | none | Score | .67 |
| Exons | 335..516 | | |

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|---|---|---|---|
| Seq. No. | 7162 | Seq. ID | OJ990421_12.9919.C41 |
| Gene No. | 15098 | Strand | - |
| Start | 438 | End | 489 |
| Name | OJ990421_12.9919.C41.o1.gs | Method | GENSCAN |
| Start | 438 | End | 489 |
| GI | none | Score | .74 |
| Exons | 438..489 | | |

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|---|---|---|---|
| Seq. No. | 7163 | Seq. ID | OJ990421_12.9919.C42 |
| Gene No. | 15099 | Strand | + |
| Start | 10231 | End | 10735 |
| Name | OJ990421_12.9919.C42.o3.gs | Method | GENSCAN |
| Start | 10231 | End | 10735 |
| GI | none | Score | .61 |
| Exons | 10231..10449, 10469..10735 | | |

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|---|---|---|---|
| Seq. No. | 7163 | Seq. ID | OJ990421_12.9919.C42 |
| Gene No. | 15100 | Strand | - |
| Start | 4226 | End | 8780 |
| Name | OJ990421_12.9919.C42.o2.gs | Method | GENSCAN |
| Start | 4226 | End | 8780 |
| GI | none | Score | .6 |
| Exons | 4226..4315, 4416..4711, 5499..5613, 5707..5797, 6241..6436, 6520..6698, 6862..7035, 7181..7359, 7631..7789, 7917..8060, 8266..8378, 8666..8780 | | |

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|---|---|---|---|
| Seq. No. | 7163 | Seq. ID | OJ990421_12.9919.C42 |
| Gene No. | 15101 | Strand | - |
| Start | 9783 | End | 10667 |
| Name | OJ990421_12.9919.C42.o1.np | Method | AAT/NAP |
| Start | 9783 | End | 10667 |
| GI | 5852178 | Score | 424 |
| Exons | 9783..9878, 10226..10330, 10362..10667 | | |
| GI Descrip. | (AL117265) zhb0008.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15102 | Strand | + |
| Start | 63 | End | 8231 |
| Name | OJ990421_12.9919.C43.o1.gs | Method | GENSCAN |
| Start | 63 | End | 8231 |
| GI | none | Score | .41 |
| Exons | 63..93, 171..456, 568..679, 2574..2835, 4321..5153, 7434..8231 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o1.np | Method | AAT/NAP |
| Start | 8173 | End | 12913 |
| GI | 4680179 | Score | 5617 |
| Exons | 8173..8218, 8495..9484, 9512..12913 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o2.gs | Method | GENSCAN |
| Start | 8495 | End | 12835 |
| GI | none | Score | .64 |
| Exons | 8495..9161, 9261..12835 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o9.tw | Method | TBLASTX:Wheat |
| Start | 8656 | End | 8854 |
| GI | none | Score | 205 |
| Exons | 8656..8853, 8657..8854, 8660..8854 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o6.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 8906 | End | 9211 |
| GI | none | Score | 242 |
| Exons | 8906..9211 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o7.tw | Method | TBLASTX:Wheat |
| Start | 8906 | End | 9256 |
| GI | none | Score | 308 |
| Exons | 8906..9256 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o8.tw | Method | TBLASTX:Wheat |
| Start | 9590 | End | 9943 |
| GI | none | Score | 246 |
| Exons | 9590..9943 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o7.tm | Method | TBLASTX:Maize |
| Start | 9947 | End | 10140 |
| GI | none | Score | 190 |
| Exons | 9947..10138, 9985..10140 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o4.tw | Method | TBLASTX:Wheat |
| Start | 10075 | End | 10558 |
| GI | none | Score | 540 |
| Exons | 10075..10515, 10076..10558, 10112..10555 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o4.ts | Method | TBLASTX:Soybean |
| Start | 10112 | End | 10426 |
| GI | none | Score | 192 |
| Exons | 10112..10426 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o4.tm | Method | TBLASTX:Maize |
| Start | 10141 | End | 10588 |
| GI | none | Score | 367 |
| Exons | 10141..10383, 10145..10588 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o1.ts | Method | TBLASTX:Soybean |
| Start | 10499 | End | 10894 |

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|---|---|---|---|
| GI | none | Score | 57 |
| Exons | 10499..10531, 10499..10531, 10535..10894, 10537..10884 | | |

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| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o5.tw | Method | TBLASTX:Wheat |
| Start | 10609 | End | 10909 |
| GI | none | Score | 382 |
| Exons | 10609..10908, 10637..10909 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o5.tm | Method | TBLASTX:Maize |
| Start | 10634 | End | 10975 |
| GI | none | Score | 324 |
| Exons | 10634..10975, 10696..10974 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o3.tw | Method | TBLASTX:Wheat |
| Start | 10910 | End | 11335 |
| GI | none | Score | 597 |
| Exons | 10910..11335, 10912..11328, 10985..11335 | | |

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| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o3.ts | Method | TBLASTX:Soybean |
| Start | 10916 | End | 11164 |
| GI | none | Score | 206 |
| Exons | 10916..11164 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o2.tm | Method | TBLASTX:Maize |
| Start | 10982 | End | 11335 |
| GI | none | Score | 461 |
| Exons | 10982..11335, 10987..11328 | | |

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| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o2.tw | Method | TBLASTX:Wheat |
| Start | 11363 | End | 11902 |
| GI | none | Score | 617 |
| Exons | 11363..11902, 11545..11898 | | |

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|---|---|---|---|
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o1.tc | Method | TBLASTX:Cress |
| Start | 11557 | End | 11926 |
| GI | none | Score | 91 |

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|---|---|---|---|
| Exons | 11557..11772, 11600..11782, 11783..11926, 11785..11925 | | |
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o2.ts | Method | TBLASTX:Soybean |
| Start | 11690 | End | 11950 |
| GI | none | Score | 301 |
| Exons | 11690..11950, 11701..11949 | | |
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o3.tm | Method | TBLASTX:Maize |
| Start | 11748 | End | 12040 |
| GI | none | Score | 411 |
| Exons | 11748..12035, 11749..12036, 11750..12040 | | |
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o1.tw | Method | TBLASTX:Wheat |
| Start | 11909 | End | 12535 |
| GI | none | Score | 721 |
| Exons | 11909..12535, 11912..12256, 11965..12414, 12475..12534 | | |
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o1.tm | Method | TBLASTX:Maize |
| Start | 12088 | End | 12673 |
| GI | none | Score | 229 |
| Exons | 12088..12243, 12089..12250, 12091..12252, 12247..12411, 12248..12673, 12368..12652, 12475..12672 | | |
| Seq. No. | 7164 | Seq. ID | OJ990421_12.9919.C43 |
| Gene No. | 15103 | Strand | + |
| Start | 8173 | End | 12913 |
| Name | OJ990421_12.9919.C43.o6.tw | Method | TBLASTX:Wheat |
| Start | 12535 | End | 12868 |
| GI | none | Score | 311 |
| Exons | 12535..12816, 12536..12868 | | |
| Seq. No. | 7165 | Seq. ID | OJ990421_12.9919.C44 |
| Gene No. | 15104 | Strand | + |
| Start | 294 | End | 466 |
| Name | OJ990421_12.9919.C44.o1.np | Method | AAT/NAP |
| Start | 294 | End | 466 |
| GI | 6063554 | Score | 93 |
| Exons | 294..466 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7166 | Seq. ID | OJ990421_12.9919.C45 |
| Gene No. | 15105 | Strand | + |
| Start | 1098 | End | 1877 |

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|---|---|---|---|
| Name | OJ990421_12.9919.C45.o1.gs | Method | GENSCAN |
| Start | 1098 | End | 1877 |
| GI | none | Score | .72 |
| Exons | 1098..1103, 1578..1877 | | |

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|---|---|---|---|
| Seq. No. | 7166 | Seq. ID | OJ990421_12.9919.C45 |
| Gene No. | 15106 | Strand | - |
| Start | 2126 | End | 2700 |
| Name | OJ990421_12.9919.C45.o2.gs | Method | GENSCAN |
| Start | 2126 | End | 2700 |
| GI | none | Score | .95 |
| Exons | 2126..2244, 2506..2587, 2668..2700 | | |

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|---|---|---|---|
| Seq. No. | 7166 | Seq. ID | OJ990421_12.9919.C45 |
| Gene No. | 15107 | Strand | - |
| Start | 2667 | End | 4286 |
| Name | OJ990421_12.9919.C45.o1.np | Method | AAT/NAP |
| Start | 2667 | End | 4286 |
| GI | 4680203 | Score | 181 |
| Exons | 2667..3012, 4217..4286 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7167 | Seq. ID | OJ990421_12.9919.C46 |
| Gene No. | 15108 | Strand | + |
| Start | 1 | End | 653 |
| Name | OJ990421_12.9919.C46.o1.np | Method | AAT/NAP |
| Start | 1 | End | 653 |
| GI | 99922 | Score | 160 |
| Exons | 1..100, 332..653 | | |
| GI Descrip. | hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max] | | |

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|---|---|---|---|
| Seq. No. | 7168 | Seq. ID | OJ990421_12.9919.C47 |
| Gene No. | 15109 | Strand | - |
| Start | 347 | End | 419 |
| Name | OJ990421_12.9919.C47.o1.gs | Method | GENSCAN |
| Start | 347 | End | 419 |
| GI | none | Score | .6 |
| Exons | 347..419 | | |

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|---|---|---|---|
| Seq. No. | 7169 | Seq. ID | OJ990401_09.9923.C1 |
| Gene No. | 15110 | Strand | + |
| Start | 1 | End | 234 |
| Name | OJ990401_09.9923.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 234 |
| GI | 629693 | Score | 110 |
| Exons | 1..234 | | |
| GI Descrip. | probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 7170 | Seq. ID | OJ990401_09.9923.C3 |
| Gene No. | 15111 | Strand | + |
| Start | 1 | End | 685 |
| Name | OJ990401_09.9923.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 685 |
| GI | 418604 | Score | 1141 |
| Exons | 1..685 | | |

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|---|---|---|---|
| GI Descrip. | HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP) | | |
| Seq. No. | 7170 | Seq. ID | OJ990401_09.9923.C3 |
| Gene No. | 15111 | Strand | + |
| Start | 1 | End | 685 |
| Name | OJ990401_09.9923.C3.o1.gs | Method | GENSCAN |
| Start | 384 | End | 635 |
| GI | none | Score | .54 |
| Exons | 384..635 | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o1.np | Method | AAT/NAP |
| Start | 346 | End | 1465 |
| GI | 3193306 | Score | 1120 |
| Exons | 346..1465 | | |
| GI Descrip. | (AF069300) contains similarity to Arabidopsis membrane-associated salt-inducible-like protein (GB:AL021637) [Arabidopsis thaliana] | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 370 | End | 1008 |
| GI | none | Score | 678 |
| Exons | 370..1008, 407..913, 508..1005 | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 370 | End | 646 |
| GI | none | Score | 261 |
| Exons | 370..645, 407..646 | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o1.gs | Method | GENSCAN |
| Start | 373 | End | 1420 |
| GI | none | Score | .7 |
| Exons | 373..1420 | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 376 | End | 673 |
| GI | none | Score | 218 |
| Exons | 376..672, 410..673 | | |
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |

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|---|---|---|---|
| Name | OJ990401_09.9923.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 647 | End | 963 |
| GI | none | Score | 111 |
| Exons | 647..913, 648..806, 649..963, 653..913 | | |

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|---|---|---|---|
| Seq. No. | 7171 | Seq. ID | OJ990401_09.9923.C4 |
| Gene No. | 15112 | Strand | - |
| Start | 346 | End | 1465 |
| Name | OJ990401_09.9923.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 673 | End | 1098 |
| GI | none | Score | 185 |
| Exons | 673..963, 674..913, 676..954, 1012..1098 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15113 | Strand | + |
| Start | 8151 | End | 9959 |
| Name | OJ990401_09.9923.C5.o2.gs | Method | GENSCAN |
| Start | 8151 | End | 9959 |
| GI | none | Score | .81 |
| Exons | 8151..8490, 8604..8857, 8975..9103, 9552..9959 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15113 | Strand | + |
| Start | 8151 | End | 9959 |
| Name | OJ990401_09.9923.C5.o4.np | Method | AAT/NAP |
| Start | 8151 | End | 9959 |
| GI | 4126687 | Score | 1837 |
| Exons | 8151..8490, 8604..8857, 8975..9454, 9552..9959 | | |
| GI Descrip. | (AB016501) glutelin [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15114 | Strand | + |
| Start | 17903 | End | 20266 |
| Name | OJ990401_09.9923.C5.o4.gs | Method | GENSCAN |
| Start | 17903 | End | 20266 |
| GI | none | Score | .84 |
| Exons | 17903..18726, 18774..18930, 19257..19385, 19707..19857, 20142..20266 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15114 | Strand | + |
| Start | 17903 | End | 20266 |
| Name | OJ990401_09.9923.C5.o6.np | Method | AAT/NAP |
| Start | 17903 | End | 19050 |
| GI | 5295971 | Score | 1442 |
| Exons | 17903..18322, 18368..19050 | | |
| GI Descrip. | (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15115 | Strand | + |
| Start | 24349 | End | 24534 |
| Name | OJ990401_09.9923.C5.o6.gs | Method | GENSCAN |
| Start | 24349 | End | 24534 |
| GI | none | Score | .87 |
| Exons | 24349..24534 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15116 | Strand | + |
| Start | 26042 | End | 27064 |
| Name | OJ990401_09.9923.C5.o7.np | Method | AAT/NAP |
| Start | 26042 | End | 27064 |
| GI | 5020219 | Score | 463 |
| Exons | 26042..27064 | | |
| GI Descrip. | (AF149919) wax synthase [Simmondsia chinensis] | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15117 | Strand | + |
| Start | 31504 | End | 34521 |
| Name | OJ990401_09.9923.C5.o8.gs | Method | GENSCAN |
| Start | 31504 | End | 34521 |
| GI | none | Score | .77 |
| Exons | 31504..31567, 32988..33169, 33209..33739, 33985..34521 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15118 | Strand | - |
| Start | 1 | End | 171 |
| Name | OJ990401_09.9923.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 171 |
| GI | 3193306 | Score | 122 |
| Exons | 1..171 | | |
| GI Descrip. | (AF069300) contains similarity to Arabidopsis membrane-associated salt-inducible-like protein (GB:AL021637) [Arabidopsis thaliana] | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 1829 | End | 2334 |
| GI | none | Score | 241 |
| Exons | 1829..2152, 2254..2334 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 8369 | End | 9914 |
| GI | none | Score | 108 |
| Exons | 8369..8503, 8373..8492, 8618..8671, 8701..8847, 8702..8857, 9053..9169, 9055..9171, 9302..9463, 9552..9914 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 8385 | End | 9914 |
| GI | none | Score | 83 |
| Exons | 8385..8492, 8618..8662, 8687..8860, 8698..8856, 9056..9196, 9283..9438, 9284..9454, 9555..9833, 9558..9914, 9566..9883 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |

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|---|---|---|---|
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 8683 | End | 9878 |
| GI | none | Score | 153 |
| Exons | 8683..8817, 8684..8818, 9281..9433, 9296..9448, 9549..9602, 9550..9588, 9648..9740, 9744..9878 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o1.gp | Method | AAT/GAP |
| Start | 10428 | End | 14318 |
| GI | 30795_1.R1084 | Score | 1697 |
| Exons | 10428..10793, 11112..11196, 11824..11896, 12005..12190, 13209..13273, 14054..14189, 14288..14318 | | |
| GI Descrip. | '1009234 3.0e-49 (L38829) SUP2 gene product [Nicotiana tabacum]' | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o5.np | Method | AAT/NAP |
| Start | 11141 | End | 17007 |
| GI | 1009234 | Score | 1219 |
| Exons | 11141..11191, 11819..11896, 12005..12190, 13209..13273, 14054..14189, 14288..14393, 14616..14766, 15791..15855, 15954..16108, 16193..16255, 16820..17007 | | |
| GI Descrip. | (L38829) SUP2 gene product [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 11813 | End | 16903 |
| GI | none | Score | 90 |
| Exons | 11813..11896, 11823..11900, 12002..12052, 12002..12034, 12003..12041, 12095..12202, 12117..12185, 12146..12190, 13209..13271, 14050..14184, 14052..14183, 14259..14396, 14261..14395, 14287..14403, 14612..14767, 14615..14767, 14616..14768, 15781..15858, 15786..15857, 15938..16102, 15950..16108, 15951..16109, 15951..16109, 16184..16270, 16188..16271, 16200..16271, 16803..16892, 16820..16903, 16821..16892 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 11813 | End | 14399 |
| GI | none | Score | 111 |
| Exons | 11813..11890, 11967..12041, 12146..12190, 13209..13271, 14055..14207, 14056..14184, 14273..14392, 14281..14394, 14286..14399, 14288..14395 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o7.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 11813 | End | 13271 |
| GI | none | Score | 91 |
| Exons | 11813..11896, 11823..11918, 12002..12202, 12002..12034, 12004..12066, 12114..12185, 12146..12190, 13209..13271 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o3.gs | Method | GENSCAN |
| Start | 11933 | End | 17382 |
| GI | none | Score | .82 |
| Exons | 11933..12190, 13209..13273, 14054..14189, 14288..14393, 14616..14766, 15791..15855, 15954..16108, 16193..16255, 17338..17382 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 13209 | End | 14710 |
| GI | none | Score | 123 |
| Exons | 13209..13271, 14050..14184, 14052..14195, 14288..14395, 14288..14395, 14290..14400, 14612..14710, 14613..14684, 14615..14710 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 14080 | End | 14769 |
| GI | none | Score | 95 |
| Exons | 14080..14184, 14082..14207, 14085..14192, 14288..14395, 14289..14396, 14290..14400, 14612..14767, 14614..14769, 14615..14767, 14638..14769 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 14612 | End | 16903 |
| GI | none | Score | 82 |
| Exons | 14612..14767, 14614..14769, 14615..14767, 15786..15857, 15788..15850, 15793..15858, 15935..16108, 15936..16109, 15950..16108, 15951..16112, 16184..16270, 16188..16271, 16190..16288, 16194..16271, 16818..16892, 16820..16903, 16821..16892 | | |

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| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 15792 | End | 16270 |
| GI | none | Score | 81 |
| Exons | 15792..15857, 15950..16120, 15954..16091, 16190..16270 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15119 | Strand | - |

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|---|---|---|---|
| Start | 11933 | End | 17382 |
| Name | OJ990401_09.9923.C5.o8.tm | Method | TBLASTX:Maize |
| Start | 15792 | End | 16270 |
| GI | none | Score | 87 |
| Exons | 15792..15857, 15950..16120, 15951..16091, 16190..16270 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15120 | Strand | |
| Start | 18230 | End | 18620 |
| Name | OJ990401_09.9923.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 18230 | End | 18620 |
| GI | none | Score | 35 |
| Exons | 18230..18244, 18242..18289, 18275..18313, 18281..18619, 18357..18512, 18413..18619, 18558..18620 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15121 | Strand | |
| Start | 18811 | End | 19004 |
| Name | OJ990401_09.9923.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 18811 | End | 19004 |
| GI | none | Score | 289 |
| Exons | 18811..19002, 18811..19002, 18816..19004, 18822..19004 | | |

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|---|---|---|---|
| Seq. No. | 7172 | Seq. ID | OJ990401_09.9923.C5 |
| Gene No. | 15122 | Strand | |
| Start | 34578 | End | 34857 |
| Name | OJ990401_09.9923.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 34578 | End | 34857 |
| GI | none | Score | 234 |
| Exons | 34578..34847, 34579..34857, 34633..34848 | | |

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|---|---|---|---|
| Seq. No. | 7173 | Seq. ID | OJ990401_09.9923.C6 |
| Gene No. | 15123 | Strand | + |
| Start | 1 | End | 1423 |
| Name | OJ990401_09.9923.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1423 |
| GI | 4581164 | Score | 500 |
| Exons | 1..540, 1398..1423 | | |
| GI Descrip. | (AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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| Seq. No. | 7173 | Seq. ID | OJ990401_09.9923.C6 |
| Gene No. | 15123 | Strand | + |
| Start | 1 | End | 1423 |
| Name | OJ990401_09.9923.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 5 | End | 441 |
| GI | none | Score | 100 |
| Exons | 5..106, 106..441, 117..419, 121..441 | | |

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|---|---|---|---|
| Seq. No. | 7173 | Seq. ID | OJ990401_09.9923.C6 |
| Gene No. | 15123 | Strand | + |
| Start | 1 | End | 1423 |
| Name | OJ990401_09.9923.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 106 | End | 417 |
| GI | none | Score | 218 |
| Exons | 106..417, 126..227, 310..414 | | |

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| Seq. No. | 7173 | Seq. ID | OJ990401_09.9923.C6 |
| Gene No. | 15123 | Strand | + |
| Start | 1 | End | 1423 |
| Name | OJ990401_09.9923.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 106 | End | 546 |
| GI | none | Score | 338 |
| Exons | 106..546, 168..509 | | |

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| Seq. No. | 7173 | Seq. ID | OJ990401_09.9923.C6 |
| Gene No. | 15123 | Strand | + |
| Start | 1 | End | 1423 |
| Name | OJ990401_09.9923.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 521 | End | 818 |
| GI | none | Score | 304 |
| Exons | 521..799, 522..818 | | |

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| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.np | Method | AAT/NAP |
| Start | 3491 | End | 5492 |
| GI | 5020219 | Score | 258 |
| Exons | 3491..4348, 5446..5492 | | |
| GI Descrip. | (AF149919) wax synthase [Simmondsia chinensis] | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o2.np | Method | AAT/NAP |
| Start | 3820 | End | 9298 |
| GI | 4680203 | Score | 2935 |
| Exons | 3820..3850, 5145..6800, 6954..7184, 7461..8266, 9256..9298 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.gp | Method | AAT/GAP |
| Start | 5149 | End | 8314 |
| GI | 342_1.R1084 | Score | 4918 |
| Exons | 5149..8314 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 5470 | End | 5847 |
| GI | none | Score | 90 |
| Exons | 5470..5589, 5502..5627, 5586..5831, 5596..5847, 5600..5830 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 5768 | End | 6196 |

| | | | |
|---|---|---|---|
| GI | none | Score | 100 |
| Exons | 5768..5833, 5769..5843, 5928..6131, 5933..6109, 6119..6178, 6128..6196 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o2.tc | Method | TBLASTX:Cress |
| Start | 5936 | End | 6277 |
| GI | none | Score | 149 |
| Exons | 5936..6082, 5937..6125, 6130..6258, 6131..6277 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 6063 | End | 6534 |
| GI | none | Score | 68 |
| Exons | 6063..6119, 6074..6121, 6130..6219, 6131..6223, 6227..6325, 6232..6324, 6235..6327, 6305..6529, 6326..6529, 6328..6534, 6430..6534 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 6131 | End | 6565 |
| GI | none | Score | 223 |
| Exons | 6131..6346, 6131..6346, 6374..6565 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 6398 | End | 6598 |
| GI | none | Score | 200 |
| Exons | 6398..6598 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 6656 | End | 7066 |
| GI | none | Score | 87 |
| Exons | 6656..6706, 6657..6719, 6705..6947, 6725..6907, 6736..6948, 6975..7064, 6980..7066, 6981..7064 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 6981 | End | 7459 |
| GI | none | Score | 285 |
| Exons | 6981..7457, 7250..7459 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |

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|---|---|---|---|
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 7067 | End | 8260 |
| GI | none | Score | 932 |
| Exons | 7067..7969, 7068..7985, 7653..7970, 7978..8019, 7979..8029, 7980..8024, 8030..8122, 8031..8090, 8069..8209, 8070..8198, 8100..8216, 8222..8260, 8223..8255 | | |

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|---|---|---|---|
| Seq. No. | 7174 | Seq. ID | OJ990401_09.9923.C7 |
| Gene No. | 15124 | Strand | + |
| Start | 3491 | End | 9298 |
| Name | OJ990401_09.9923.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 7355 | End | 7803 |
| GI | none | Score | 141 |
| Exons | 7355..7792, 7355..7798, 7359..7802, 7552..7803, 7653..7802 | | |

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|---|---|---|---|
| Seq. No. | 7175 | Seq. ID | OJ990401_09.9923.C8 |
| Gene No. | 15125 | Strand | + |
| Start | 443 | End | 2487 |
| Name | OJ990401_09.9923.C8.o1.gs | Method | GENSCAN |
| Start | 443 | End | 2487 |
| GI | none | Score | .59 |
| Exons | 443..677, 1217..1341, 1774..1881, 2155..2226, 2247..2487 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15126 | Strand | + |
| Start | 1 | End | 12459 |
| Name | OJ990401_09.9923.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5460 |
| GI | 4544372 | Score | 439 |
| Exons | 1..31, 1218..1990, 5422..5460 | | |
| GI Descrip. | (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15126 | Strand | + |
| Start | 1 | End | 12459 |
| Name | OJ990401_09.9923.C9.o1.gs | Method | GENSCAN |
| Start | 388 | End | 6059 |
| GI | none | Score | .51 |
| Exons | 388..561, 652..980, 1096..1570, 1715..2019, 2137..2317, 2414..2949, 3021..3169, 3245..3557, 3626..3884, 3962..4303, 4616..4699, 4779..4944, 4993..5253, 5857..6059 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15126 | Strand | + |
| Start | 1 | End | 12459 |
| Name | OJ990401_09.9923.C9.o2.np | Method | AAT/NAP |
| Start | 2289 | End | 8821 |
| GI | 6063554 | Score | 300 |
| Exons | 2289..2393, 6678..6766, 7110..7303, 7983..8011, 8648..8821 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15126 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 12459 |
| Name | OJ990401_09.9923.C9.o3.np | Method | AAT/NAP |
| Start | 8238 | End | 12459 |
| GI | 4680203 | Score | 126 |
| Exons | 8238..8266, 12268..12459 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15127 | Strand | + |
| Start | 16834 | End | 19770 |
| Name | OJ990401_09.9923.C9.o3.gs | Method | GENSCAN |
| Start | 16834 | End | 19770 |
| GI | none | Score | .64 |
| Exons | 16834..16841, 17182..17308, 18841..19041, 19393..19666, 19724..19770 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15128 | Strand | + |
| Start | 27278 | End | 27771 |
| Name | OJ990401_09.9923.C9.o4.gp | Method | AAT/GAP |
| Start | 27278 | End | 27771 |
| GI | 38782_1.R1084 | Score | 805 |
| Exons | 27278..27771 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15129 | Strand | + |
| Start | 27891 | End | 33225 |
| Name | OJ990401_09.9923.C9.o5.gs | Method | GENSCAN |
| Start | 27891 | End | 33225 |
| GI | none | Score | .44 |
| Exons | 27891..27893, 27929..28099, 28159..28280, 28506..28783, 29208..30587, 30808..32576, 32608..33225 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15129 | Strand | + |
| Start | 27891 | End | 33225 |
| Name | OJ990401_09.9923.C9.o6.np | Method | AAT/NAP |
| Start | 29327 | End | 33220 |
| GI | 4680179 | Score | 3660 |
| Exons | 29327..30398, 30501..33220 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15130 | Strand | + |
| Start | 38622 | End | 39682 |
| Name | OJ990401_09.9923.C9.o7.gs | Method | GENSCAN |
| Start | 38622 | End | 39682 |
| GI | none | Score | .63 |
| Exons | 38622..38696, 38855..39682 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15131 | Strand | + |
| Start | 49228 | End | 53103 |
| Name | OJ990401_09.9923.C9.o9.gs | Method | GENSCAN |
| Start | 49228 | End | 53103 |

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|---|---|---|---|
| GI | none | Score | .8 |
| Exons | 49228..49860, 49952..50027, 50116..51064, 51201..51798, 51886..52023, 52308..52616, 52647..52741, 52866..53103 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15132 | Strand | + |
| Start | 62965 | End | 63768 |
| Name | OJ990401_09.9923.C9.o11.gs | Method | GENSCAN |
| Start | 62965 | End | 63768 |
| GI | none | Score | .95 |
| Exons | 62965..63768 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15133 | Strand | + |
| Start | 66549 | End | 69252 |
| Name | OJ990401_09.9923.C9.o12.gs | Method | GENSCAN |
| Start | 66549 | End | 69252 |
| GI | none | Score | .49 |
| Exons | 66549..66940, 67126..67289, 68581..68683, 68774..68889, 68916..68933, 69209..69252 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15133 | Strand | + |
| Start | 66549 | End | 69252 |
| Name | OJ990401_09.9923.C9.o10.np | Method | AAT/NAP |
| Start | 66601 | End | 68130 |
| GI | 3868859 | Score | 78 |
| Exons | 66601..66918, 68102..68130 | | |
| GI Descrip. | (AB013887) RAV2 [Arabidopsis thaliana] gi\|6358760\|gb\|AAF07342.1\|AC011665_1 (AC011665) putative DNA-binding protein (RAV2-like) [Arabidopsis thaliana] gi\|6524177\|gb\|AAF15062.1\|AC011914_4 (AC011914) RAV2 [Arabidopsis thaliana] | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15134 | Strand | + |
| Start | 71387 | End | 71780 |
| Name | OJ990401_09.9923.C9.o5.gp | Method | AAT/GAP |
| Start | 71387 | End | 71780 |
| GI | uC-osrocyp034b07a1 | Score | 788 |
| Exons | 71387..71780 | | |
| GI Descrip. | '2191127 1.0e-24 (AF007269) A_IG002N01.1 gene product [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15135 | Strand | - |
| Start | 6211 | End | 15448 |
| Name | OJ990401_09.9923.C9.o2.gs | Method | GENSCAN |
| Start | 6211 | End | 15448 |
| GI | none | Score | .58 |
| Exons | 6211..6257, 6717..6889, 6940..7264, 7339..7608, 8551..8676, 8887..8982, 10528..10609, 11320..11452, 13903..14029, 15355..15448 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15135 | Strand | - |
| Start | 6211 | End | 15448 |

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|---|---|---|---|
| Name | OJ990401_09.9923.C9.o2.gp | Method | AAT/GAP |
| Start | 12270 | End | 12543 |
| GI | LIB3431-028-P1-N1-A10 | Score | 410 |
| Exons | 12270..12445, 12473..12543 | | |
| GI Descrip. | '4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]' | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15136 | Strand | - |
| Start | 17354 | End | 19625 |
| Name | OJ990401_09.9923.C9.o4.np | Method | AAT/NAP |
| Start | 17354 | End | 19625 |
| GI | 2288899 | Score | 36 |
| Exons | 17354..17379, 19400..19625 | | |
| GI Descrip. | (AJ000552) VP1 protein homologue [Craterostigma plantagineum] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15137 | Strand | - |
| Start | 19847 | End | 27025 |
| Name | OJ990401_09.9923.C9.o5.np | Method | AAT/NAP |
| Start | 19847 | End | 24106 |
| GI | 6815052 | Score | 1471 |
| Exons | 19847..19968, 20225..20303, 20383..21092, 21141..21285, 22060..22153, 23069..23159, 23465..23588, 23852..23930, 23957..24106 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15137 | Strand | - |
| Start | 19847 | End | 27025 |
| Name | OJ990401_09.9923.C9.o4.gs | Method | GENSCAN |
| Start | 20458 | End | 27025 |
| GI | none | Score | .52 |
| Exons | 20458..20600, 21141..21288, 22131..22184, 23069..23162, 23366..23463, 23936..24081, 24518..24561, 25159..25561, 26606..26741, 26975..27025 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15137 | Strand | - |
| Start | 19847 | End | 27025 |
| Name | OJ990401_09.9923.C9.o3.gp | Method | AAT/GAP |
| Start | 25958 | End | 26149 |
| GI | 5667165 | Score | 356 |
| Exons | 25958..26149 | | |
| GI Descrip. | 5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15138 | Strand | - |
| Start | 43452 | End | 47358 |
| Name | OJ990401_09.9923.C9.o7.np | Method | AAT/NAP |
| Start | 43452 | End | 47358 |
| GI | 6539553 | Score | 6713 |
| Exons | 43452..47358 | | |
| GI Descrip. | (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) | | |

[Oryza sativa]

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15139 | Strand | - |
| Start | 53518 | End | 59372 |
| Name | OJ990401_09.9923.C9.o8.np | Method | AAT/NAP |
| Start | 53375 | End | 59258 |
| GI | 4378066 | Score | 3063 |
| Exons | 53375..58391, 58848..58993, 59063..59258 | | |
| GI Descrip. | (AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15139 | Strand | - |
| Start | 53518 | End | 59372 |
| Name | OJ990401_09.9923.C9.o10.gs | Method | GENSCAN |
| Start | 53518 | End | 59372 |
| GI | none | Score | .53 |
| Exons | 53518..54425, 54486..54928, 55001..55635, 55695..56081, 56145..56864, 57072..58568, 58598..58810, 58902..59372 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o14.ts | Method | TBLASTX:Soybean |
| Start | 598 | End | 57137 |
| GI | none | Score | 189 |
| Exons | 598..936, 56868..57137 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o15.tw | Method | TBLASTX:Wheat |
| Start | 628 | End | 57056 |
| GI | none | Score | 61 |
| Exons | 628..714, 56697..56918, 56698..56919, 56925..57056 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o12.ts | Method | TBLASTX:Soybean |
| Start | 1343 | End | 56453 |
| GI | none | Score | 122 |
| Exons | 1343..1567, 1574..1708, 31257..31391, 56088..56222, 56229..56453 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o6.tm | Method | TBLASTX:Maize |
| Start | 1436 | End | 56364 |
| GI | none | Score | 226 |
| Exons | 1436..1762, 1447..1662, 31212..31457, 56007..56354, 56007..56363, 56008..56364 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |

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|---|---|---|---|
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o4.tw | Method | TBLASTX:Wheat |
| Start | 1529 | End | 56267 |
| GI | none | Score | 155 |
| Exons | 1529..1756, 1772..1885, 31079..31534, 31080..31562, 31107..31553, 55962..56267 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o9.tm | Method | TBLASTX:Maize |
| Start | 1772 | End | 56003 |
| GI | none | Score | 120 |
| Exons | 1772..1960, 31458..31628, 31635..31949, 31658..31927, 55875..56003 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o7.tw | Method | TBLASTX:Wheat |
| Start | 1886 | End | 55923 |
| GI | none | Score | 66 |
| Exons | 1886..1987, 31563..31907, 31565..31813, 55504..55659, 55522..55650, 55662..55922, 55662..55922, 55726..55923 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o10.ts | Method | TBLASTX:Soybean |
| Start | 5800 | End | 6039 |
| GI | none | Score | 52 |
| Exons | 5800..5841, 5805..6038, 5878..6039 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o12.tw | Method | TBLASTX:Wheat |
| Start | 29561 | End | 29938 |
| GI | none | Score | 268 |
| Exons | 29561..29938 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o14.tm | Method | TBLASTX:Maize |
| Start | 29819 | End | 30220 |
| GI | none | Score | 232 |
| Exons | 29819..30220 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o14.tw | Method | TBLASTX:Wheat |
| Start | 30536 | End | 30938 |
| GI | none | Score | 145 |
| Exons | 30536..30679, 30536..30589, 30580..30678, 30764..30919, 30768..30938 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o15.tm | Method | TBLASTX:Maize |
| Start | 30951 | End | 31148 |
| GI | none | Score | 196 |
| Exons | 30951..31148, 31001..31147 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 31503 | End | 55958 |
| GI | none | Score | 56 |
| Exons | 31503..31535, 31503..31535, 31520..31615, 31539..31898, 31539..31847, 31655..31870, 55668..55958 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 31913 | End | 32352 |
| GI | none | Score | 603 |
| Exons | 31913..32338, 31914..32339, 31975..32352 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o9.ts | Method | TBLASTX:Soybean |
| Start | 31920 | End | 55413 |
| GI | none | Score | 214 |
| Exons | 31920..32165, 31949..32047, 55306..55413 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 31983 | End | 32339 |
| GI | none | Score | 471 |
| Exons | 31983..32336, 31986..32339, 31988..32338 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o5.tw | Method | TBLASTX:Wheat |
| Start | 32382 | End | 32907 |
| GI | none | Score | 97 |
| Exons | 32382..32549, 32526..32903, 32556..32903, 32557..32907 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o12.tm | Method | TBLASTX:Maize |
| Start | 32554 | End | 32871 |
| GI | none | Score | 261 |
| Exons | 32554..32871, 32593..32856, 32667..32870 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o3.tc | Method | TBLASTX:Cress |
| Start | 32614 | End | 32931 |
| GI | none | Score | 94 |
| Exons | 32614..32787, 32635..32787, 32788..32931, 32790..32915 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o6.ts | Method | TBLASTX:Soybean |
| Start | 32700 | End | 32955 |
| GI | none | Score | 296 |
| Exons | 32700..32954, 32707..32955, 32827..32955 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 32872 | End | 54084 |
| GI | none | Score | 461 |
| Exons | 32872..33189, 32874..33185, 32887..33192, 45538..45699, 53869..54084 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o8.tw | Method | TBLASTX:Wheat |
| Start | 32913 | End | 54087 |
| GI | none | Score | 362 |
| Exons | 32913..33191, 32914..33195, 32942..33220, 53869..54087 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o3.tw | Method | TBLASTX:Wheat |
| Start | 43588 | End | 44064 |
| GI | none | Score | 351 |
| Exons | 43588..43974, 43626..43973, 43989..44063, 43993..44064 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o8.ts | Method | TBLASTX:Soybean |
| Start | 43716 | End | 44057 |
| GI | none | Score | 79 |
| Exons | 43716..43925, 43795..43920, 43944..44057, 43951..44031 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o11.tm | Method | TBLASTX:Maize |
| Start | 43920 | End | 44259 |
| GI | none | Score | 196 |
| Exons | 43920..44258, 43921..44259 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o5.ts | Method | TBLASTX:Soybean |
| Start | 44070 | End | 44415 |
| GI | none | Score | 118 |
| Exons | 44070..44414, 44215..44415 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o6.tw | Method | TBLASTX:Wheat |
| Start | 44268 | End | 44813 |
| GI | none | Score | 48 |
| Exons | 44268..44474, 44278..44400, 44469..44813, 44493..44666 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o7.tm | Method | TBLASTX:Maize |
| Start | 44349 | End | 44814 |
| GI | none | Score | 53 |
| Exons | 44349..44813, 44452..44562, 44496..44678, 44632..44814 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 44484 | End | 44948 |
| GI | 5509260 | Score | 58 |
| Exons | 44484..44948, 44503..44562, 44635..44730, 44779..44847 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 44595 | End | 44855 |
| GI | none | Score | 286 |
| Exons | 44595..44855 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 44868 | End | 45624 |
| GI | none | Score | 200 |
| Exons | 44868..45107, 44869..45027, 44885..45115, 44888..45103, 45136..45381, 45147..45383, 45159..45380, 45173..45382, 45367..45624, 45380..45616 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o7.ts | Method | TBLASTX:Soybean |
| Start | 45273 | End | 45672 |

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|---|---|---|---|
| GI | none | Score | 97 |
| Exons | 45273..45380, 45379..45447, 45448..45672, 45494..45664 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o11.tw | Method | TBLASTX:Wheat |
| Start | 45625 | End | 45816 |
| GI | none | Score | 186 |
| Exons | 45625..45816, 45625..45816 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o11.ts | Method | TBLASTX:Soybean |
| Start | 45682 | End | 46068 |
| GI | none | Score | 88 |
| Exons | 45682..45930, 45913..46068 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 46095 | End | 46417 |
| GI | none | Score | 389 |
| Exons | 46095..46286, 46096..46410, 46097..46390, 46163..46417 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o8.tm | Method | TBLASTX:Maize |
| Start | 46916 | End | 47229 |
| GI | none | Score | 288 |
| Exons | 46916..47221, 46918..47229 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o9.tw | Method | TBLASTX:Wheat |
| Start | 46977 | End | 47364 |
| GI | none | Score | 250 |
| Exons | 46977..47240, 46978..47364, 46979..47353 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o13.ts | Method | TBLASTX:Soybean |
| Start | 53950 | End | 54309 |
| GI | none | Score | 90 |
| Exons | 53950..54168, 54181..54309 | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o13.tw | Method | TBLASTX:Wheat |
| Start | 54097 | End | 54486 |
| GI | none | Score | 246 |

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| Exons | 54097..54486 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o10.tm | Method | TBLASTX:Maize |
| Start | 54136 | End | 54594 |
| GI | none | Score | 47 |
| Exons | 54136..54594, 54137..54229, 54275..54469 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o10.tw | Method | TBLASTX:Wheat |
| Start | 54796 | End | 55228 |
| GI | none | Score | 211 |
| Exons | 54796..55227, 54797..55228 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o13.tm | Method | TBLASTX:Maize |
| Start | 55597 | End | 55869 |
| GI | none | Score | 156 |
| Exons | 55597..55662, 55662..55868, 55702..55869 | | |
| | | | |
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 71530 | End | 71909 |
| GI | none | Score | 182 |
| Exons | 71530..71796, 71574..71909, 71574..71909 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 71550 | End | 71849 |
| GI | none | Score | 336 |
| Exons | 71550..71849, 71554..71811, 71627..71848 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 71574 | End | 72206 |
| GI | none | Score | 321 |
| Exons | 71574..72206, 71578..71994, 71903..72022, 72100..72195 | | |
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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o13.gs | Method | GENSCAN |
| Start | 71574 | End | 72203 |
| GI | none | Score | .8 |
| Exons | 71574..72203 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o11.np | Method | AAT/NAP |
| Start | 71577 | End | 72107 |
| GI | 2191127 | Score | 737 |
| Exons | 71577..72107 | | |
| GI Descrip. | (AF007269) A_IG002N01.1 gene product [Arabidopsis thaliana] | | |

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| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 71850 | End | 72214 |
| GI | none | Score | 363 |
| Exons | 71850..72206, 71850..72206, 71900..72214 | | |

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|---|---|---|---|
| Seq. No. | 7176 | Seq. ID | OJ990401_09.9923.C9 |
| Gene No. | 15140 | Strand | - |
| Start | 71574 | End | 72214 |
| Name | OJ990401_09.9923.C9.o4.ts | Method | TBLASTX:Soybean |
| Start | 71910 | End | 72206 |
| GI | none | Score | 127 |
| Exons | 71910..72206, 71913..72206 | | |

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|---|---|---|---|
| Seq. No. | 7177 | Seq. ID | OJ990401_09.9923.C11 |
| Gene No. | 15141 | Strand | + |
| Start | 104 | End | 236 |
| Name | OJ990401_09.9923.C11.o1.gs | Method | GENSCAN |
| Start | 104 | End | 236 |
| GI | none | Score | .5 |
| Exons | 104..236 | | |

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|---|---|---|---|
| Seq. No. | 7178 | Seq. ID | OJ990401_09.9923.C12 |
| Gene No. | 15142 | Strand | + |
| Start | 1 | End | 689 |
| Name | OJ990401_09.9923.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 689 |
| GI | 5902445 | Score | 485 |
| Exons | 1..689 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7178 | Seq. ID | OJ990401_09.9923.C12 |
| Gene No. | 15143 | Strand | - |
| Start | 325 | End | 624 |
| Name | OJ990401_09.9923.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 59 | End | 297 |
| GI | none | Score | 91 |
| Exons | 59..139, 61..138, 142..297, 151..279 | | |

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|---|---|---|---|
| Seq. No. | 7178 | Seq. ID | OJ990401_09.9923.C12 |
| Gene No. | 15143 | Strand | - |
| Start | 325 | End | 624 |
| Name | OJ990401_09.9923.C12.o1.gs | Method | GENSCAN |
| Start | 325 | End | 624 |
| GI | none | Score | .48 |

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|---|---|---|---|
| Exons | 325..411, 532..624 | | |
| Seq. No. | 7178 | Seq. ID | OJ990401_09.9923.C12 |
| Gene No. | 15143 | Strand | - |
| Start | 325 | End | 624 |
| Name | OJ990401_09.9923.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 364 | End | 570 |
| GI | none | Score | 172 |
| Exons | 364..519, 367..570, 381..569 | | |
| Seq. No. | 7179 | Seq. ID | OJ990421_08.9923.C1 |
| Gene No. | 15144 | Strand | + |
| Start | 2 | End | 247 |
| Name | OJ990421_08.9923.C1.o1.gs | Method | GENSCAN |
| Start | 2 | End | 247 |
| GI | none | Score | .99 |
| Exons | 2..247 | | |
| Seq. No. | 7180 | Seq. ID | OJ990421_08.9923.C2 |
| Gene No. | 15145 | Strand | - |
| Start | 1 | End | 105 |
| Name | OJ990421_08.9923.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 105 |
| GI | 2792222 | Score | 172 |
| Exons | 1..105 | | |
| GI Descrip. | (AF032689) NBS-LRR type resistance protein [Oryza sativa] | | |
| Seq. No. | 7181 | Seq. ID | OJ990421_08.9923.C5 |
| Gene No. | 15146 | Strand | + |
| Start | 60 | End | 469 |
| Name | OJ990421_08.9923.C5.o1.gs | Method | GENSCAN |
| Start | 60 | End | 469 |
| GI | none | Score | .72 |
| Exons | 60..469 | | |
| Seq. No. | 7182 | Seq. ID | OJ990421_08.9923.C7 |
| Gene No. | 15147 | Strand | + |
| Start | 1 | End | 538 |
| Name | OJ990421_08.9923.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 538 |
| GI | 4581143 | Score | 86 |
| Exons | 1..28, 401..538 | | |
| GI Descrip. | (AC006919) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 7183 | Seq. ID | OJ990421_08.9923.C8 |
| Gene No. | 15148 | Strand | + |
| Start | 1 | End | 616 |
| Name | OJ990421_08.9923.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 590 |
| GI | 3810596 | Score | 241 |
| Exons | 1..590 | | |
| GI Descrip. | (AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |
| Seq. No. | 7183 | Seq. ID | OJ990421_08.9923.C8 |
| Gene No. | 15148 | Strand | + |
| Start | 1 | End | 616 |

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|---|---|---|---|
| Name | OJ990421_08.9923.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 60 | End | 616 |
| GI | none | Score | 407 |
| Exons | 60..545, 170..355, 511..606, | 548..616, | 552..611 |

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| Seq. No. | 7183 | Seq. ID | OJ990421_08.9923.C8 |
| Gene No. | 15148 | Strand | + |
| Start | 1 | End | 616 |
| Name | OJ990421_08.9923.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 60 | End | 395 |
| GI | none | Score | 308 |
| Exons | 60..395, 147..347, 164..355 | | |

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|---|---|---|---|
| Seq. No. | 7183 | Seq. ID | OJ990421_08.9923.C8 |
| Gene No. | 15148 | Strand | + |
| Start | 1 | End | 616 |
| Name | OJ990421_08.9923.C8.o1.gs | Method | GENSCAN |
| Start | 69 | End | 453 |
| GI | none | Score | .4 |
| Exons | 69..453 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15149 | Strand | + |
| Start | 1 | End | 2118 |
| Name | OJ990421_08.9923.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1128 |
| GI | 2792238 | Score | 1565 |
| Exons | 1..1128 | | |
| GI Descrip. | (AF032697) NBS-LRR type resistance protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15149 | Strand | + |
| Start | 1 | End | 2118 |
| Name | OJ990421_08.9923.C9.o2.np | Method | AAT/NAP |
| Start | 1 | End | 1832 |
| GI | 2258317 | Score | 406 |
| Exons | 1..1671, 1786..1832 | | |
| GI Descrip. | (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15149 | Strand | + |
| Start | 1 | End | 2118 |
| Name | OJ990421_08.9923.C9.o1.gs | Method | GENSCAN |
| Start | 97 | End | 2118 |
| GI | none | Score | .94 |
| Exons | 97..2118 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15150 | Strand | + |
| Start | 2505 | End | 2931 |
| Name | OJ990421_08.9923.C9.o1.gp | Method | AAT/GAP |
| Start | 2505 | End | 2931 |
| GI | none | Score | 822 |
| Exons | 2505..2931 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |

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|---|---|---|---|
| Gene No. | 15151 | Strand | + |
| Start | 7773 | End | 9215 |
| Name | OJ990421_08.9923.C9.o3.np | Method | AAT/NAP |
| Start | 7773 | End | 9215 |
| GI | 2792238 | Score | 1499 |
| Exons | 7773..9215 | | |
| GI Descrip. | (AF032697) NBS-LRR type resistance protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 1 | End | 9056 |
| GI | none | Score | 89 |
| Exons | 1..228, 334..444, 555..575, 748..969, 7836..8018, 8076..8318, 8424..8519, 8850..9056 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 115 | End | 8600 |
| GI | none | Score | 344 |
| Exons | 115..513, 115..282, 297..422, 322..429, 7800..8006, 7983..8054, 8133..8210, 8199..8600, 8235..8519 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 127 | End | 8690 |
| GI | none | Score | 81 |
| Exons | 127..246, 259..462, 535..600, 7950..8030, 8064..8189, 8256..8366, 8352..8561, 8628..8690 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o6.tw | Method | TBLASTX:Wheat |
| Start | 130 | End | 8504 |
| GI | none | Score | 105 |
| Exons | 130..270, 147..275, 289..414, 8220..8360, 8237..8335, 8378..8464, 8379..8504 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o7.tm | Method | TBLASTX:Maize |
| Start | 628 | End | 9269 |
| GI | none | Score | 297 |
| Exons | 628..1224, 780..1091, 796..1143, 1107..1196, 8868..8963, 8871..9269, 8924..9178 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o5.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 760 | End | 9170 |
| GI | none | Score | 186 |
| Exons | 760..1083, 8841..9170 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o4.np | Method | AAT/NAP |
| Start | 13119 | End | 15887 |
| GI | 6466937 | Score | 2042 |
| Exons | 13119..15887 | | |
| GI Descrip. | (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 13223 | End | 13809 |
| GI | none | Score | 72 |
| Exons | 13223..13291, 13228..13287, 13233..13328, 13294..13809, 13484..13669 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o5.tw | Method | TBLASTX:Wheat |
| Start | 13444 | End | 13647 |
| GI | none | Score | 102 |
| Exons | 13444..13647, 13484..13636 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 13648 | End | 14232 |
| GI | none | Score | 110 |
| Exons | 13648..13770, 13846..14232, 13901..14140 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 13852 | End | 14487 |
| GI | none | Score | 392 |
| Exons | 13852..14487, 13853..14374, 13903..14481 | | |

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| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 14080 | End | 14463 |
| GI | none | Score | 153 |
| Exons | 14080..14463, 14081..14434 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |

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|---|---|---|---|
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 14320 | End | 14721 |
| GI | none | Score | 133 |
| Exons | 14320..14721, 14321..14578 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o6.tm | Method | TBLASTX:Maize |
| Start | 14488 | End | 14913 |
| GI | none | Score | 157 |
| Exons | 14488..14718, 14737..14913, 14741..14911 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o4.ts | Method | TBLASTX:Soybean |
| Start | 14899 | End | 15154 |
| GI | none | Score | 91 |
| Exons | 14899..15153, 14956..15150, 15005..15154 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 14914 | End | 15441 |
| GI | none | Score | 220 |
| Exons | 14914..15441, 14915..15241, 15290..15406 | | |

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| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o3.tw | Method | TBLASTX:Wheat |
| Start | 15064 | End | 15465 |
| GI | none | Score | 326 |
| Exons | 15064..15465 | | |

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| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 15178 | End | 15537 |
| GI | none | Score | 292 |
| Exons | 15178..15537 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |
| Name | OJ990421_08.9923.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 15460 | End | 15885 |
| GI | none | Score | 263 |
| Exons | 15460..15885, 15461..15877 | | |

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|---|---|---|---|
| Seq. No. | 7184 | Seq. ID | OJ990421_08.9923.C9 |
| Gene No. | 15152 | Strand | - |
| Start | 13119 | End | 15887 |

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|---|---|---|---|
| Name | OJ990421_08.9923.C9.o4.tw | Method | TBLASTX:Wheat |
| Start | 15514 | End | 15886 |
| GI | none | Score | 51 |
| Exons | 15514..15885, 15518..15619, 15556..15879, 15641..15886 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15153 | Strand | - |
| Start | 83 | End | 2076 |
| Name | OJ990421_08.9923.C10.o1.gs | Method | GENSCAN |
| Start | 83 | End | 2076 |
| GI | none | Score | .66 |
| Exons | 83..351, 786..2076 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15154 | Strand | - |
| Start | 2527 | End | 7208 |
| Name | OJ990421_08.9923.C10.o2.gs | Method | GENSCAN |
| Start | 2527 | End | 7208 |
| GI | none | Score | .51 |
| Exons | 2527..2801, 3349..3526, 4106..4184, 4267..4382, 4422..4577, 5837..6096, 6956..7208 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15155 | Strand | - |
| Start | 7559 | End | 8160 |
| Name | OJ990421_08.9923.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 331 |
| GI | none | Score | 89 |
| Exons | 2..331, 3..146, 5..247, 210..326 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15155 | Strand | - |
| Start | 7559 | End | 8160 |
| Name | OJ990421_08.9923.C10.o3.tm | Method | TBLASTX:Maize |
| Start | 469 | End | 774 |
| GI | none | Score | 75 |
| Exons | 469..774, 494..697 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15155 | Strand | - |
| Start | 7559 | End | 8160 |
| Name | OJ990421_08.9923.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 904 | End | 1371 |
| GI | none | Score | 89 |
| Exons | 904..1107, 1204..1371, 1205..1318 | | |

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|---|---|---|---|
| Seq. No. | 7185 | Seq. ID | OJ990421_08.9923.C10 |
| Gene No. | 15155 | Strand | - |
| Start | 7559 | End | 8160 |
| Name | OJ990421_08.9923.C10.o2.np | Method | AAT/NAP |
| Start | 7559 | End | 8160 |
| GI | 6691203 | Score | 82 |
| Exons | 7559..7663, 8086..8160 | | |
| GI Descrip. | (AC007508) F1K23.7 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15156 | Strand | + |

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|---|---|---|---|
| Start | 2141 | End | 5081 |
| Name | OJ990421_08.9923.C11.o1.np | Method | AAT/NAP |
| Start | 2141 | End | 5078 |
| GI | 6691716 | Score | 2303 |
| Exons | 2141..3025, 3223..3398, 3481..3748, 3925..4119, 4195..4298, 4448..4560, 4633..5078 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15156 | Strand | + |
| Start | 2141 | End | 5081 |
| Name | OJ990421_08.9923.C11.o2.gs | Method | GENSCAN |
| Start | 2141 | End | 5081 |
| GI | none | Score | .86 |
| Exons | 2141..3025, 3223..3398, 3481..3812, 3932..4119, 4195..4384, 4456..4560, 4633..5081 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15157 | Strand | - |
| Start | 366 | End | 1163 |
| Name | OJ990421_08.9923.C11.o1.gs | Method | GENSCAN |
| Start | 366 | End | 1163 |
| GI | none | Score | .79 |
| Exons | 366..564, 655..738, 1096..1163 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15157 | Strand | - |
| Start | 366 | End | 1163 |
| Name | OJ990421_08.9923.C11.o1.gp | Method | AAT/GAP |
| Start | 661 | End | 840 |
| GI | uC-osflcyp177g01a1 | Score | 237 |
| Exons | 661..840 | | |
| GI Descrip. | '4884864/gb\|AAD31846.1\|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]' | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15158 | Strand | - |
| Start | 5394 | End | 14480 |
| Name | OJ990421_08.9923.C11.o3.gs | Method | GENSCAN |
| Start | 5394 | End | 12625 |
| GI | none | Score | .55 |
| Exons | 5394..8555, 8691..11555, 11922..12048, 12441..12625 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15158 | Strand | - |
| Start | 5394 | End | 14480 |
| Name | OJ990421_08.9923.C11.o2.np | Method | AAT/NAP |
| Start | 5430 | End | 11498 |
| GI | 5922631 | Score | 6648 |
| Exons | 5430..7957, 8564..9487, 9614..9762, 9805..10376, 10422..10624, 10859..11115, 11374..11498 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs | | |

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15158 | Strand | - |
| Start | 5394 | End | 14480 |
| Name | OJ990421_08.9923.C11.o3.np | Method | AAT/NAP |
| Start | 12446 | End | 14480 |
| GI | 2275208 | Score | 101 |
| Exons | 12446..12559, 14420..14480 | | |
| GI Descrip. | (AC002337) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o7.tm | Method | TBLASTX:Maize |
| Start | 490 | End | 15746 |
| GI | none | Score | 120 |
| Exons | 490..597, 492..578, 657..683, 11988..12092, 11989..12093, 11989..12111, 11990..12124, 15433..15531, 15435..15530, 15602..15631, 15629..15739, 15633..15746, 15634..15738 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o9.tw | Method | TBLASTX:Wheat |
| Start | 2260 | End | 2551 |
| GI | none | Score | 220 |
| Exons | 2260..2343, 2261..2551, 2443..2514 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o6.tw | Method | TBLASTX:Wheat |
| Start | 5406 | End | 6020 |
| GI | none | Score | 62 |
| Exons | 5406..5543, 5410..5532, 5529..5687, 5742..6020, 5758..5859, 5911..6000 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 5445 | End | 5678 |
| GI | none | Score | 102 |
| Exons | 5445..5546, 5446..5547, 5526..5678, 5527..5577 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o9.tm | Method | TBLASTX:Maize |
| Start | 5790 | End | 6063 |
| GI | none | Score | 56 |
| Exons | 5790..5876, 5886..5969, 5899..5973, 5956..6063, 5964..6062 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |

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|---|---|---|---|
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o4.tw | Method | TBLASTX:Wheat |
| Start | 6135 | End | 6522 |
| GI | none | Score | 107 |
| Exons | 6135..6320, 6135..6521, 6211..6522 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 6165 | End | 6527 |
| GI | none | Score | 67 |
| Exons | 6165..6212, 6166..6213, 6193..6507, 6204..6527, 6217..6507 | | |

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| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o10.tw | Method | TBLASTX:Wheat |
| Start | 6525 | End | 6824 |
| GI | none | Score | 129 |
| Exons | 6525..6665, 6690..6824 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o5.tw | Method | TBLASTX:Wheat |
| Start | 6840 | End | 7262 |
| GI | none | Score | 261 |
| Exons | 6840..7262, 6850..7254 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 6883 | End | 7271 |
| GI | none | Score | 162 |
| Exons | 6883..7263, 6885..7127, 7167..7271 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o8.tm | Method | TBLASTX:Maize |
| Start | 6936 | End | 7209 |
| GI | none | Score | 60 |
| Exons | 6936..7034, 6937..7002, 7038..7208, 7039..7209 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o3.tw | Method | TBLASTX:Wheat |
| Start | 7299 | End | 7728 |
| GI | none | Score | 129 |
| Exons | 7299..7727, 7456..7728 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |

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|---|---|---|---|
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 7386 | End | 7830 |
| GI | none | Score | 87 |
| Exons | 7386..7412, 7410..7553, 7423..7554, 7575..7829, 7576..7830 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 7497 | End | 7898 |
| GI | none | Score | 58 |
| Exons | 7497..7898, 7531..7701, 7656..7865, 7738..7881 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o2.tw | Method | TBLASTX:Wheat |
| Start | 7773 | End | 8192 |
| GI | none | Score | 243 |
| Exons | 7773..8192, 7774..8190 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 8061 | End | 8417 |
| GI | none | Score | 100 |
| Exons | 8061..8354, 8061..8417, 8071..8376 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 8142 | End | 8507 |
| GI | none | Score | 138 |
| Exons | 8142..8276, 8283..8507 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o8.tw | Method | TBLASTX:Wheat |
| Start | 8192 | End | 8426 |
| GI | none | Score | 121 |
| Exons | 8192..8320, 8193..8363, 8193..8426, 8194..8406 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 8427 | End | 9224 |
| GI | none | Score | 119 |
| Exons | 8427..8720, 8431..8655, 8767..9003, 8769..8999, 9048..9224 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |

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|---|---|---|---|
| Name | OJ990421_08.9923.C11.o7.tw | Method | TBLASTX:Wheat |
| Start | 9798 | End | 10200 |
| GI | none | Score | 131 |
| Exons | 9798..10199, 9892..10200 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 12440 | End | 16959 |
| GI | none | Score | 164 |
| Exons | 12440..12634, 12453..12635, 12629..12712, 12630..12713, 12631..12714, 12631..12720, 12632..12715, 12718..12834, 12728..12835, 12729..12836, 12839..12880, 12840..12881, 16051..16248, 16064..16246, 16192..16323, 16241..16324, 16242..16325, 16242..16346, 16249..16326, 16329..16394, 16342..16419, 16348..16395, 16440..16613, 16440..16613, 16441..16623, 16445..16618, 16534..16623, 16870..16959 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o4.gs | Method | GENSCAN |
| Start | 14651 | End | 22034 |
| GI | none | Score | .61 |
| Exons | 14651..14911, 15393..15507, 15602..15678, 15727..15874, 16052..16620, 16993..17020, 17425..17874, 18068..18186, 18316..18472, 19592..20028, 21027..21157, 21568..21648, 21798..22034 | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o4.np | Method | AAT/NAP |
| Start | 16057 | End | 18150 |
| GI | 2275208 | Score | 273 |
| Exons | 16057..16614, 17499..17631, 17683..17843, 17967..18150 | | |
| GI Descrip. | (AC002337) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o5.np | Method | AAT/NAP |
| Start | 18812 | End | 20032 |
| GI | 2275207 | Score | 347 |
| Exons | 18812..18929, 19592..20032 | | |
| GI Descrip. | (AC002337) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7186 | Seq. ID | OJ990421_08.9923.C11 |
| Gene No. | 15159 | Strand | - |
| Start | 14651 | End | 22034 |
| Name | OJ990421_08.9923.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 18869 | End | 19906 |
| GI | none | Score | 212 |
| Exons | 18869..18928, 19590..19673, 19591..19728, 19592..19747, 19822..19887, 19841..19906 | | |

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|---|---|---|---|
| Seq. No. | 7187 | Seq. ID | OJ990421_08.9923.C12 |
| Gene No. | 15160 | Strand | - |
| Start | 331 | End | 393 |
| Name | OJ990421_08.9923.C12.o1.gp | Method | AAT/GAP |
| Start | 331 | End | 393 |
| GI | 2312838 | Score | 71 |
| Exons | 331..393 | | |
| GI Descrip. | 1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence | | |

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| Seq. No. | 7188 | Seq. ID | OJ990421_08.9923.C13 |
| Gene No. | 15161 | Strand | + |
| Start | 406 | End | 679 |
| Name | OJ990421_08.9923.C13.o1.gs | Method | GENSCAN |
| Start | 406 | End | 679 |
| GI | none | Score | .66 |
| Exons | 406..679 | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15162 | Strand | + |
| Start | 2463 | End | 3699 |
| Name | OJ990421_08.9923.C14.o1.gs | Method | GENSCAN |
| Start | 2463 | End | 3699 |
| GI | none | Score | .72 |
| Exons | 2463..2555, 2888..3020, 3513..3699 | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15163 | Strand | + |
| Start | 4411 | End | 13106 |
| Name | OJ990421_08.9923.C14.o1.np | Method | AAT/NAP |
| Start | 4396 | End | 10606 |
| GI | 6553906 | Score | 1217 |
| Exons | 4396..4703, 5435..5861, 5977..6598, 7486..7526, 7608..7676, 7992..8092, 8727..8805, 9382..9480, 9556..9624, 9753..9802, 9894..9975, 10458..10606 | | |
| GI Descrip. | (AC012563) putative protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15163 | Strand | + |
| Start | 4411 | End | 13106 |
| Name | OJ990421_08.9923.C14.o2.gs | Method | GENSCAN |
| Start | 4411 | End | 10808 |
| GI | none | Score | .79 |
| Exons | 4411..4602, 4641..4703, 5409..5861, 5977..6598, 7456..7526, 7608..7676, 7992..8092, 8727..8805, 9358..9480, 9556..9624, 9889..9975, 10458..10808 | | |

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| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15163 | Strand | + |
| Start | 4411 | End | 13106 |
| Name | OJ990421_08.9923.C14.o1.gp | Method | AAT/GAP |
| Start | 5692 | End | 6242 |
| GI | none | Score | 1059 |
| Exons | 5692..6242 | | |

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| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15163 | Strand | + |

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|---|---|---|---|
| Start | 4411 | End | 13106 |
| Name | OJ990421_08.9923.C14.o2.gp | Method | AAT/GAP |
| Start | 10432 | End | 11150 |
| GI | 84865_1.R1084 | Score | 1104 |
| Exons | 10432..10552, 10682..11150 | | |
| GI Descrip. | '3292831/emb\|CAA19821.1\| 4.0e-14 (AL031018) putative serine/threonine kinase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15163 | Strand | + |
| Start | 4411 | End | 13106 |
| Name | OJ990421_08.9923.C14.o2.np | Method | AAT/NAP |
| Start | 10710 | End | 13106 |
| GI | 4581143 | Score | 123 |
| Exons | 10710..10847, 11899..12228, 13065..13106 | | |
| GI Descrip. | (AC006919) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 5433 | End | 6415 |
| GI | none | Score | 293 |
| Exons | 5433..5720, 5436..5711, 5780..5863, 5793..5888, 5975..6148, 5976..6173, 5977..6198, 5977..6174, 5978..6208, 6154..6300, 6202..6249, 6234..6299, 6310..6414, 6326..6415, 6334..6414 | | |

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| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 5436 | End | 5717 |
| GI | none | Score | 227 |
| Exons | 5436..5717, 5558..5668 | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 6520 | End | 10781 |
| GI | none | Score | 110 |
| Exons | 6520..6603, 6538..6600, 6542..6607, 7483..7527, 7485..7526, 7607..7678, 7608..7685, 7991..8092, 7992..8093, 8752..8805, 9381..9521, 9382..9483, 9387..9485, 9553..9624, 9555..9623, 9752..9802, 9753..9803, 9886..9978, 9892..9978, 9894..9995, 10452..10547, 10454..10552, 10680..10781 | | |

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| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 8006 | End | 9978 |
| GI | none | Score | 139 |
| Exons | 8006..8119, 8007..8126, 8725..8805, 8727..8810, 8730..8810, 9381..9518, 9382..9483, 9553..9624, 9555..9626, 9555..9689, 9752..9802, 9753..9803, 9754..9804, 9886..9975, 9892..9978, 9894..9977 | | |

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|---|---|---|---|
| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o2.tc | Method | TBLASTX:Cress |
| Start | 8709 | End | 10796 |
| GI | none | Score | 111 |
| Exons | 8709..8804, 8716..8805, 9381..9521, 9382..9483, 9392..9487, 9553..9624, 9555..9623, 9752..9802, 9753..9803, 9892..9978, 9894..9995, 10452..10547, 10453..10551, 10453..10551, 10454..10552, 10454..10561, 10680..10796 | | |

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| Seq. No. | 7189 | Seq. ID | OJ990421_08.9923.C14 |
| Gene No. | 15164 | Strand | - |
| Start | 11563 | End | 12894 |
| Name | OJ990421_08.9923.C14.o3.gs | Method | GENSCAN |
| Start | 11563 | End | 12894 |
| GI | none | Score | .96 |
| Exons | 11563..12310, 12675..12894 | | |

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| Seq. No. | 7190 | Seq. ID | OJ990421_08.9923.C15 |
| Gene No. | 15165 | Strand | + |
| Start | 3542 | End | 11851 |
| Name | OJ990421_08.9923.C15.o2.np | Method | AAT/NAP |
| Start | 3542 | End | 11851 |
| GI | 6642775 | Score | 66 |
| Exons | 3542..3888, 11829..11851 | | |
| GI Descrip. | (AF116598) gag-pol polyprotein [Vitis vinifera] | | |

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| Seq. No. | 7190 | Seq. ID | OJ990421_08.9923.C15 |
| Gene No. | 15165 | Strand | + |
| Start | 3542 | End | 11851 |
| Name | OJ990421_08.9923.C15.o1.gp | Method | AAT/GAP |
| Start | 4851 | End | 6845 |
| GI | none | Score | 998 |
| Exons | 4851..4926, 6387..6845 | | |

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| Seq. No. | 7190 | Seq. ID | OJ990421_08.9923.C15 |
| Gene No. | 15166 | Strand | - |
| Start | 11422 | End | 11543 |
| Name | OJ990421_08.9923.C15.o2.gs | Method | GENSCAN |
| Start | 11422 | End | 11543 |
| GI | none | Score | .67 |
| Exons | 11422..11543 | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15167 | Strand | + |
| Start | 575 | End | 2649 |
| Name | OJ990421_08.9923.C16.o1.gs | Method | GENSCAN |
| Start | 575 | End | 2649 |
| GI | none | Score | .59 |
| Exons | 575..646, 2043..2067, 2542..2649 | | |

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|---|---|---|---|
| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15168 | Strand | + |
| Start | 2773 | End | 2856 |
| Name | OJ990421_08.9923.C16.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 2773 | End | 2856 |
| GI | 5852084 | Score | 79 |
| Exons | 2773..2856 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15169 | Strand | + |
| Start | 7215 | End | 8994 |
| Name | OJ990421_08.9923.C16.o2.np | Method | AAT/NAP |
| Start | 7215 | End | 8994 |
| GI | 5669782 | Score | 1724 |
| Exons | 7215..8994 | | |
| GI Descrip. | (AF108010) Hv1LRR2 [Hordeum vulgare] | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 7698 | End | 8658 |
| GI | none | Score | 58 |
| Exons | 7698..7754, 7849..7977, 8101..8166, 8176..8256, 8320..8487, 8500..8658 | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 7903 | End | 8658 |
| GI | none | Score | 162 |
| Exons | 7903..8145, 8155..8295, 8344..8487, 8506..8658 | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 8120 | End | 8471 |
| GI | none | Score | 396 |
| Exons | 8120..8455, 8143..8469, 8146..8469, 8169..8471 | | |

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| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 8403 | End | 8723 |
| GI | none | Score | 273 |
| Exons | 8403..8723, 8404..8685 | | |

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|---|---|---|---|
| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 8689 | End | 9114 |
| GI | none | Score | 70 |
| Exons | 8689..8763, 8690..8746, 8776..9114, 8781..9113 | | |

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|---|---|---|---|
| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |

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|---|---|---|---|
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 8887 | End | 9750 |
| GI | none | Score | 199 |
| Exons | 8887..9198, 8889..9074, 9208..9387, 9463..9750 | | |

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|---|---|---|---|
| Seq. No. | 7191 | Seq. ID | OJ990421_08.9923.C16 |
| Gene No. | 15170 | Strand | + |
| Start | 10945 | End | 11553 |
| Name | OJ990421_08.9923.C16.o3.gs | Method | GENSCAN |
| Start | 10945 | End | 11553 |
| GI | none | Score | .48 |
| Exons | 10945..10999, 11416..11553 | | |

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|---|---|---|---|
| Seq. No. | 7192 | Seq. ID | OJ990421_08.9923.C17 |
| Gene No. | 15171 | Strand | + |
| Start | 1540 | End | 3949 |
| Name | OJ990421_08.9923.C17.o1.gs | Method | GENSCAN |
| Start | 1540 | End | 3949 |
| GI | none | Score | .61 |
| Exons | 1540..1684, 2116..2217, 2271..2409, 2420..2726, 3635..3949 | | |

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|---|---|---|---|
| Seq. No. | 7192 | Seq. ID | OJ990421_08.9923.C17 |
| Gene No. | 15171 | Strand | + |
| Start | 1540 | End | 3949 |
| Name | OJ990421_08.9923.C17.o1.np | Method | AAT/NAP |
| Start | 2205 | End | 2756 |
| GI | 5091603 | Score | 691 |
| Exons | 2205..2353, 2420..2756 | | |
| GI Descrip. | (AC007858) 10A19I.7 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7192 | Seq. ID | OJ990421_08.9923.C17 |
| Gene No. | 15172 | Strand | - |
| Start | 4043 | End | 4515 |
| Name | OJ990421_08.9923.C17.o2.gs | Method | GENSCAN |
| Start | 4043 | End | 4515 |
| GI | none | Score | .59 |
| Exons | 4043..4230, 4413..4515 | | |

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|---|---|---|---|
| Seq. No. | 7193 | Seq. ID | OJ990421_08.9923.C19 |
| Gene No. | 15173 | Strand | + |
| Start | 87 | End | 187 |
| Name | OJ990421_08.9923.C19.o1.gs | Method | GENSCAN |
| Start | 87 | End | 187 |
| GI | none | Score | .43 |
| Exons | 87..187 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15174 | Strand | + |
| Start | 3209 | End | 8566 |
| Name | OJ990421_08.9923.C21.o2.gs | Method | GENSCAN |
| Start | 3209 | End | 8239 |
| GI | none | Score | .4 |
| Exons | 3209..3217, 3469..3557, 5315..5468, 5664..5915, 6013..6316, 6510..6651, 6779..6824, 7948..8077, 8124..8239 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |

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|---|---|---|---|
| Gene No. | 15174 | Strand | + |
| Start | 3209 | End | 8566 |
| Name | OJ990421_08.9923.C21.o3.np | Method | AAT/NAP |
| Start | 6651 | End | 8566 |
| GI | 6907106 | Score | 343 |
| Exons | 6651..6687, 8123..8286, 8321..8566 | | |
| GI Descrip. | (AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15175 | Strand | - |
| Start | 756 | End | 2010 |
| Name | OJ990421_08.9923.C21.o1.np | Method | AAT/NAP |
| Start | 756 | End | 1992 |
| GI | 2792238 | Score | 1300 |
| Exons | 756..1992 | | |
| GI Descrip. | (AF032697) NBS-LRR type resistance protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15175 | Strand | - |
| Start | 756 | End | 2010 |
| Name | OJ990421_08.9923.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 1162 | End | 1983 |
| GI | none | Score | 71 |
| Exons | 1162..1563, 1259..1378, 1405..1542, 1663..1701, 1666..1776, 1858..1983 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15175 | Strand | - |
| Start | 756 | End | 2010 |
| Name | OJ990421_08.9923.C21.o1.tc | Method | TBLASTX:Cress |
| Start | 1231 | End | 2010 |
| GI | none | Score | 69 |
| Exons | 1231..1341, 1447..1689, 1747..1914, 1933..2010 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15175 | Strand | - |
| Start | 756 | End | 2010 |
| Name | OJ990421_08.9923.C21.o1.ts | Method | TBLASTX:Soybean |
| Start | 1246 | End | 1527 |
| GI | none | Score | 66 |
| Exons | 1246..1452, 1459..1527 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15175 | Strand | - |
| Start | 756 | End | 2010 |
| Name | OJ990421_08.9923.C21.o1.tw | Method | TBLASTX:Wheat |
| Start | 1259 | End | 1545 |
| GI | none | Score | 43 |
| Exons | 1259..1375, 1261..1404, 1399..1545, 1430..1528 | | |

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|---|---|---|---|
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15176 | Strand | |
| Start | 6528 | End | 6689 |
| Name | OJ990421_08.9923.C21.o3.tm | Method | TBLASTX:Maize |
| Start | 6528 | End | 6689 |
| GI | none | Score | 178 |

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|---|---|---|---|
| Exons | 6528..6647, 6539..6646, 6626..6649, 6635..6682, 6645..6689 | | |
| Seq. No. | 7194 | Seq. ID | OJ990421_08.9923.C21 |
| Gene No. | 15177 | Strand | |
| Start | 8177 | End | 8470 |
| Name | OJ990421_08.9923.C21.o2.tm | Method | TBLASTX:Maize |
| Start | 8177 | End | 8470 |
| GI | none | Score | 82 |
| Exons | 8177..8269, 8180..8269, 8213..8296, 8220..8294, 8220..8348, 8252..8296, 8286..8321, 8287..8322, 8297..8356, 8337..8465, 8337..8465, 8422..8469, 8423..8470 | | |
| Seq. No. | 7195 | Seq. ID | OJ990421_08.9923.C22 |
| Gene No. | 15178 | Strand | - |
| Start | 78 | End | 484 |
| Name | OJ990421_08.9923.C22.o1.gs | Method | GENSCAN |
| Start | 78 | End | 484 |
| GI | none | Score | .55 |
| Exons | 78..169, 221..398, 407..484 | | |
| Seq. No. | 7196 | Seq. ID | OJ990421_08.9923.C23 |
| Gene No. | 15179 | Strand | + |
| Start | 41 | End | 340 |
| Name | OJ990421_08.9923.C23.o1.gs | Method | GENSCAN |
| Start | 41 | End | 340 |
| GI | none | Score | .5 |
| Exons | 41..214, 305..340 | | |
| Seq. No. | 7197 | Seq. ID | OJ990421_08.9923.C24 |
| Gene No. | 15180 | Strand | + |
| Start | 328 | End | 362 |
| Name | OJ990421_08.9923.C24.o1.gs | Method | GENSCAN |
| Start | 328 | End | 362 |
| GI | none | Score | .86 |
| Exons | 328..362 | | |
| Seq. No. | 7198 | Seq. ID | OJ990401_05.9922.C1 |
| Gene No. | 15181 | Strand | - |
| Start | 199 | End | 1438 |
| Name | OJ990401_05.9922.C1.o1.gs | Method | GENSCAN |
| Start | 199 | End | 1438 |
| GI | none | Score | .66 |
| Exons | 199..364, 660..718, 1403..1438 | | |
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1154 | End | 6071 |
| GI | 5803260 | Score | 835 |
| Exons | 1154..2118, 4618..4731, 4918..6071 | | |
| GI Descrip. | (AP000399) similar to wak1 gene (AJ009696) [Oryza sativa] | | |
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 1166 | End | 6074 |
| GI | none | Score | .68 |
| Exons | 1166..2138, 4639..4800, 4936..6074 | | |

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|---|---|---|---|
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 1943 | End | 5879 |
| GI | none | Score | 76 |
| Exons | 1943..2002, 2030..2110, 4668..4769, 5046..5156, 5090..5155, 5165..5353, 5169..5456, 5453..5572, 5466..5549, 5567..5686, 5568..5708, 5784..5879 | | |

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|---|---|---|---|
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 4965 | End | 5891 |
| GI | none | Score | 56 |
| Exons | 4965..5057, 5061..5168, 5171..5365, 5172..5456, 5232..5381, 5466..5549, 5480..5554, 5483..5554, 5570..5704, 5571..5711, 5721..5891 | | |

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|---|---|---|---|
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 4968 | End | 5714 |
| GI | none | Score | 44 |
| Exons | 4968..5024, 5061..5168, 5090..5233, 5229..5456, 5456..5551, 5466..5549, 5576..5710, 5586..5714 | | |

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|---|---|---|---|
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 5079 | End | 5447 |
| GI | none | Score | 82 |
| Exons | 5079..5168, 5090..5155, 5183..5353, 5184..5447 | | |

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|---|---|---|---|
| Seq. No. | 7199 | Seq. ID | OJ990401_05.9922.C2 |
| Gene No. | 15182 | Strand | + |
| Start | 1154 | End | 6074 |
| Name | OJ990401_05.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 5460 | End | 5726 |
| GI | none | Score | 104 |
| Exons | 5460..5549, 5579..5704, 5583..5726 | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15183 | Strand | + |
| Start | 157 | End | 3787 |
| Name | OJ990401_05.9922.C3.o1.gs | Method | GENSCAN |
| Start | 157 | End | 3484 |
| GI | none | Score | .49 |
| Exons | 157..227, 562..714, 1332..1407, 1683..1846, 2291..2518, 3298..3484 | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15183 | Strand | + |
| Start | 157 | End | 3787 |
| Name | OJ990401_05.9922.C3.o1.np | Method | AAT/NAP |
| Start | 382 | End | 3787 |
| GI | 6721512 | Score | 150 |
| Exons | 382..509, 548..668, 712..775, 1667..1806, 3691..3787 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15184 | Strand | + |
| Start | 4378 | End | 13055 |
| Name | OJ990401_05.9922.C3.o2.gs | Method | GENSCAN |
| Start | 4378 | End | 5796 |
| GI | none | Score | .91 |
| Exons | 4378..4459, 5231..5796 | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15184 | Strand | + |
| Start | 4378 | End | 13055 |
| Name | OJ990401_05.9922.C3.o4.np | Method | AAT/NAP |
| Start | 4824 | End | 6940 |
| GI | 6721561 | Score | 269 |
| Exons | 4824..4854, 6498..6940 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15184 | Strand | + |
| Start | 4378 | End | 13055 |
| Name | OJ990401_05.9922.C3.o3.gs | Method | GENSCAN |
| Start | 6518 | End | 13055 |
| GI | none | Score | .53 |
| Exons | 6518..6939, 7024..7313, 9673..9768, 11141..11288, 11718..11941, 12112..12666, 12934..13055 | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15184 | Strand | + |
| Start | 4378 | End | 13055 |
| Name | OJ990401_05.9922.C3.o5.np | Method | AAT/NAP |
| Start | 9576 | End | 13052 |
| GI | 6815052 | Score | 1029 |
| Exons | 9576..9668, 9966..10065, 10922..11014, 11803..11946, 11995..12509, 12591..12666, 12934..13052 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15185 | Strand | - |
| Start | 1387 | End | 2771 |
| Name | OJ990401_05.9922.C3.o2.np | Method | AAT/NAP |
| Start | 1387 | End | 2771 |
| GI | 6721512 | Score | 56 |
| Exons | 1387..1415, 2671..2771 | | |

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| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15186 | Strand | - |
| Start | 3632 | End | 3804 |
| Name | OJ990401_05.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 3632 | End | 3804 |
| GI | LIB3433-026-P1-K1-C1 | Score | 258 |
| Exons | 3632..3804 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15187 | Strand | - |
| Start | 4190 | End | 6332 |
| Name | OJ990401_05.9922.C3.o3.np | Method | AAT/NAP |
| Start | 4190 | End | 6332 |
| GI | 6063554 | Score | 154 |
| Exons | 4190..4363, 5400..5474, 5559..5736, 6292..6332 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15187 | Strand | - |
| Start | 4190 | End | 6332 |
| Name | OJ990401_05.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 4431 | End | 4806 |
| GI | 2427387 | Score | 687 |
| Exons | 4431..4806 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |
| Seq. No. | 7200 | Seq. ID | OJ990401_05.9922.C3 |
| Gene No. | 15188 | Strand | |
| Start | 7267 | End | 7465 |
| Name | OJ990401_05.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 7267 | End | 7465 |
| GI | none | Score | 193 |
| Exons | 7267..7392, 7271..7465 | | |
| Seq. No. | 7201 | Seq. ID | OJ990401_05.9922.C4 |
| Gene No. | 15189 | Strand | + |
| Start | 1 | End | 2070 |
| Name | OJ990401_05.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2067 |
| GI | 6815052 | Score | 945 |
| Exons | 1..261, 1183..1517, 1599..1668, 1948..2067 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7201 | Seq. ID | OJ990401_05.9922.C4 |
| Gene No. | 15189 | Strand | + |
| Start | 1 | End | 2070 |
| Name | OJ990401_05.9922.C4.o1.gs | Method | GENSCAN |
| Start | 400 | End | 2070 |
| GI | none | Score | .55 |
| Exons | 400..553, 976..1037, 1276..1513, 1949..2070 | | |

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| Seq. No. | 7201 | Seq. ID | OJ990401_05.9922.C4 |
| Gene No. | 15190 | Strand | + |
| Start | 2222 | End | 2967 |
| Name | OJ990401_05.9922.C4.o2.np | Method | AAT/NAP |
| Start | 2222 | End | 2967 |
| GI | 119714 | Score | 88 |
| Exons | 2222..2967 | | |
| GI Descrip. | EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum] | | |

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| Seq. No. | 7201 | Seq. ID | OJ990401_05.9922.C4 |
| Gene No. | 15191 | Strand | - |
| Start | 2195 | End | 3666 |
| Name | OJ990401_05.9922.C4.o2.gs | Method | GENSCAN |
| Start | 2195 | End | 3666 |
| GI | none | Score | .74 |
| Exons | 2195..2581, 2903..2977, 3598..3666 | | |

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|---|---|---|---|
| Seq. No. | 7201 | Seq. ID | OJ990401_05.9922.C4 |
| Gene No. | 15192 | Strand | - |
| Start | 4228 | End | 4332 |
| Name | OJ990401_05.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 4228 | End | 4332 |
| GI | 3107009 | Score | 119 |
| Exons | 4228..4332 | | |
| GI Descrip. | 4521194/dbj\|AB013613.1\|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15193 | Strand | + |
| Start | 269 | End | 2660 |
| Name | OJ990401_05.9922.C5.o1.gs | Method | GENSCAN |
| Start | 269 | End | 2660 |
| GI | none | Score | .55 |
| Exons | 269..410, 1758..1842, 2051..2292, 2557..2660 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15194 | Strand | - |
| Start | 3096 | End | 4418 |
| Name | OJ990401_05.9922.C5.o2.gs | Method | GENSCAN |
| Start | 3096 | End | 4418 |
| GI | none | Score | .76 |
| Exons | 3096..3273, 3799..3846, 3935..4093, 4228..4418 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 1986 | End | 8951 |
| GI | none | Score | 74 |
| Exons | 1986..2174, 8638..8943, 8639..8941, 8640..8951 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |

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|---|---|---|---|
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o3.gs | Method | GENSCAN |
| Start | 4908 | End | 9321 |
| GI | none | Score | .43 |
| Exons | 4908..4962, 5176..7186, 7694..9096, 9274..9321 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o1.np | Method | AAT/NAP |
| Start | 5175 | End | 9080 |
| GI | 6539553 | Score | 6704 |
| Exons | 5175..9080 | | |
| GI Descrip. | (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 5311 | End | 5787 |
| GI | none | Score | 348 |
| Exons | 5311..5697, 5312..5695, 5349..5696, 5712..5786, 5714..5785, 5716..5787 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 5439 | End | 5780 |
| GI | none | Score | 78 |
| Exons | 5439..5648, 5518..5643, 5667..5780, 5674..5754 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 5643 | End | 5982 |
| GI | none | Score | 206 |
| Exons | 5643..5981, 5644..5982 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 5793 | End | 6138 |
| GI | none | Score | 124 |
| Exons | 5793..6137, 5938..6138 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 5991 | End | 6536 |
| GI | none | Score | 48 |

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|---|---|---|---|
| Exons | 5991..6197, 6001..6123, 6192..6536, 6216..6389 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 6090 | End | 6537 |
| GI | none | Score | 58 |
| Exons | 6090..6536, 6175..6288, 6219..6401, 6355..6537 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 6207 | End | 6671 |
| GI | 5509260 | Score | 58 |
| Exons | 6207..6671, 6226..6285, 6358..6453, 6502..6570 | | |
| GI Descrip. | - | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 6318 | End | 6578 |
| GI | none | Score | 62 |
| Exons | 6318..6578, 6499..6576 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 6591 | End | 7347 |
| GI | none | Score | 198 |
| Exons | 6591..6830, 6592..6750, 6608..6838, 6611..6808, 6859..7125, 6882..7124, 6890..7135, 6901..7134, 7090..7347, 7103..7339 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 6996 | End | 7395 |
| GI | none | Score | 97 |
| Exons | 6996..7136, 7132..7170, 7171..7395, 7217..7387 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 7183 | End | 7617 |
| GI | none | Score | 78 |
| Exons | 7183..7617, 7208..7375 | | |
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 7348 | End | 7539 |

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|---|---|---|---|
| GI | none | Score | 183 |
| Exons | 7348..7539, 7348..7536 | | |

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|---|---|---|---|
| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 7817 | End | 8139 |
| GI | none | Score | 395 |
| Exons | 7817..7984, 7818..8132, 7819..8112, 7885..8139 | | |

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| Seq. No. | 7202 | Seq. ID | OJ990401_05.9922.C5 |
| Gene No. | 15195 | Strand | - |
| Start | 4908 | End | 9321 |
| Name | OJ990401_05.9922.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 8699 | End | 9086 |
| GI | none | Score | 256 |
| Exons | 8699..9028, 8700..9086, 8701..9075 | | |

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|---|---|---|---|
| Seq. No. | 7203 | Seq. ID | OJ990401_05.9922.C6 |
| Gene No. | 15196 | Strand | + |
| Start | 575 | End | 684 |
| Name | OJ990401_05.9922.C6.o1.gs | Method | GENSCAN |
| Start | 575 | End | 684 |
| GI | none | Score | .99 |
| Exons | 575..684 | | |

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|---|---|---|---|
| Seq. No. | 7204 | Seq. ID | OJ990401_05.9922.C9 |
| Gene No. | 15197 | Strand | + |
| Start | 517 | End | 531 |
| Name | OJ990401_05.9922.C9.o1.gs | Method | GENSCAN |
| Start | 517 | End | 531 |
| GI | none | Score | .71 |
| Exons | 517..531 | | |

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|---|---|---|---|
| Seq. No. | 7205 | Seq. ID | OJ990401_05.9922.C10 |
| Gene No. | 15198 | Strand | - |
| Start | 6925 | End | 9044 |
| Name | OJ990401_05.9922.C10.o2.gs | Method | GENSCAN |
| Start | 6925 | End | 9044 |
| GI | none | Score | .47 |
| Exons | 6925..7067, 8888..9044 | | |

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|---|---|---|---|
| Seq. No. | 7206 | Seq. ID | OJ990401_05.9922.C11 |
| Gene No. | 15199 | Strand | - |
| Start | 918 | End | 1353 |
| Name | OJ990401_05.9922.C11.o1.gs | Method | GENSCAN |
| Start | 918 | End | 1353 |
| GI | none | Score | .59 |
| Exons | 918..1082, 1104..1131, 1273..1353 | | |

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|---|---|---|---|
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15200 | Strand | + |
| Start | 325 | End | 5746 |
| Name | OJ990401_05.9922.C12.o1.gs | Method | GENSCAN |
| Start | 325 | End | 5617 |
| GI | none | Score | .77 |

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|---|---|---|---|
| Exons | 325..329, 809..965, 1024..1119, 1592..1807, 5486..5617 | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15200 | Strand | + |
| Start | 325 | End | 5746 |
| Name | OJ990401_05.9922.C12.o1.gp | Method | AAT/GAP |
| Start | 1185 | End | 5746 |
| GI | 5038950 | Score | 647 |
| Exons | 1185..1214, 3421..3488, 5486..5746 | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 2964 | End | 3260 |
| GI | none | Score | 76 |
| Exons | 2964..3125, 2978..3127, 3123..3260 | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o2.gs | Method | GENSCAN |
| Start | 7058 | End | 11470 |
| GI | none | Score | .77 |
| Exons | 7058..7066, 8429..8641, 8759..8813, 9264..9460, 9677..9798, 9881..10028, 10282..10351, 10437..10582, 11326..11470 | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o1.np | Method | AAT/NAP |
| Start | 8449 | End | 11482 |
| GI | 6630556 | Score | 1017 |
| Exons | 8449..8641, 8759..8813, 9264..9460, 9677..9804, 9881..10028, 10282..10351, 10437..10582, 10662..10707, 10790..10836, 11320..11482 | | |
| GI Descrip. | (AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana] | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 8464 | End | 11481 |
| GI | none | Score | 139 |
| Exons | 8464..8643, 8467..8643, 8739..8825, 8741..8827, 8743..8826, 9209..9283, 9259..9459, 9261..9458, 9261..9473, 9263..9460, 9675..9785, 9676..9795, 9677..9796, 9677..9796, 9878..10027, 9882..10028, 10279..10353, 10280..10351, 10281..10352, 10431..10580, 10431..10580, 10432..10584, 10433..10585, 10656..10709, 10659..10709, 10660..10722, 10786..10842, 10788..10853, 11315..11473, 11316..11474, 11344..11481 | | |
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 8563 | End | 9406 |
| GI | none | Score | 79 |
| Exons | 8563..8643, 8573..8641, 8741..8827, 8743..8826, 8757..8831, 9259..9405, 9263..9406 | | |

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| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 9263 | End | 11481 |
| GI | none | Score | 216 |
| Exons | 9263..9406, 9268..9399, 9412..9459, 9413..9460, 9676..9786, 9677..9796, 9886..10032, 9893..10066, 9894..10028, 10279..10353, 10281..10352, 10432..10578, 10432..10578, 10433..10585, 10659..10709, 10659..10709, 11325..11471, 11344..11481 | | |

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|---|---|---|---|
| Seq. No. | 7207 | Seq. ID | OJ990401_05.9922.C12 |
| Gene No. | 15201 | Strand | + |
| Start | 7058 | End | 11482 |
| Name | OJ990401_05.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 10692 | End | 11481 |
| GI | none | Score | 39 |
| Exons | 10692..10709, 10786..10842, 11314..11481, 11344..11481 | | |

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|---|---|---|---|
| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15202 | Strand | + |
| Start | 4039 | End | 7859 |
| Name | OJ990401_05.9922.C14.o1.gs | Method | GENSCAN |
| Start | 4039 | End | 7700 |
| GI | none | Score | .54 |
| Exons | 4039..4112, 5920..5941, 7287..7700 | | |

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|---|---|---|---|
| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15202 | Strand | + |
| Start | 4039 | End | 7859 |
| Name | OJ990401_05.9922.C14.o1.np | Method | AAT/NAP |
| Start | 7099 | End | 7859 |
| GI | 5091523 | Score | 179 |
| Exons | 7099..7859 | | |
| GI Descrip. | (AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa] | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15202 | Strand | + |
| Start | 4039 | End | 7859 |
| Name | OJ990401_05.9922.C14.o2.np | Method | AAT/NAP |
| Start | 7099 | End | 7859 |
| GI | 5091523 | Score | 180 |
| Exons | 7099..7859 | | |
| GI Descrip. | (AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa] | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15203 | Strand | + |
| Start | 19845 | End | 22239 |
| Name | OJ990401_05.9922.C14.o4.np | Method | AAT/NAP |
| Start | 19845 | End | 22239 |

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|---|---|---|---|
| GI | 5042463 | Score | 143 |
| Exons | 19845..20067, 20507..20674, 21312..21494, 21545..21732, 22182..22239 | | |
| GI Descrip. | (AC007789) unknown protein [Oryza sativa] | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15204 | Strand | - |
| Start | 8688 | End | 10138 |
| Name | OJ990401_05.9922.C14.o2.gs | Method | GENSCAN |
| Start | 8688 | End | 10138 |
| GI | none | Score | .83 |
| Exons | 8688..8825, 8924..9162, 10072..10138 | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15205 | Strand | - |
| Start | 12178 | End | 12767 |
| Name | OJ990401_05.9922.C14.o3.gs | Method | GENSCAN |
| Start | 12178 | End | 12767 |
| GI | none | Score | .75 |
| Exons | 12178..12239, 12641..12767 | | |

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|---|---|---|---|
| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15206 | Strand | - |
| Start | 13950 | End | 19374 |
| Name | OJ990401_05.9922.C14.o3.np | Method | AAT/NAP |
| Start | 13950 | End | 19374 |
| GI | 4680199 | Score | 305 |
| Exons | 13950..13980, 15746..15863, 15951..16523, 19346..19374 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15207 | Strand | - |
| Start | 20136 | End | 27843 |
| Name | OJ990401_05.9922.C14.o5.gs | Method | GENSCAN |
| Start | 20136 | End | 27843 |
| GI | none | Score | .42 |
| Exons | 20136..20300, 22490..22609, 23413..23688, 23729..23839, 23854..24123, 24135..24302, 25716..25795, 26897..27253, 27630..27843 | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15207 | Strand | - |
| Start | 20136 | End | 27843 |
| Name | OJ990401_05.9922.C14.o5.np | Method | AAT/NAP |
| Start | 22438 | End | 26641 |
| GI | 3645899 | Score | 557 |
| Exons | 22438..22458, 26022..26641 | | |
| GI Descrip. | (U68408) 5' end not determined experimentally [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15208 | Strand | - |
| Start | 33848 | End | 34909 |
| Name | OJ990401_05.9922.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 26021 | End | 26230 |
| GI | none | Score | 68 |
| Exons | 26021..26230, 26024..26227 | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15208 | Strand | - |
| Start | 33848 | End | 34909 |
| Name | OJ990401_05.9922.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 26024 | End | 26390 |
| GI | none | Score | 127 |
| Exons | 26024..26266, 26048..26254, 26049..26270, 26065..26271, 26259..26390, 26261..26389 | | |

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| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15208 | Strand | - |
| Start | 33848 | End | 34909 |
| Name | OJ990401_05.9922.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 26393 | End | 26753 |
| GI | none | Score | 47 |
| Exons | 26393..26602, 26393..26632, 26661..26744, 26661..26753 | | |

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|---|---|---|---|
| Seq. No. | 7208 | Seq. ID | OJ990401_05.9922.C14 |
| Gene No. | 15208 | Strand | - |
| Start | 33848 | End | 34909 |
| Name | OJ990401_05.9922.C14.o6.gs | Method | GENSCAN |
| Start | 33848 | End | 34909 |
| GI | none | Score | .45 |
| Exons | 33848..34005, 34051..34095, 34233..34407, 34801..34909 | | |

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|---|---|---|---|
| Seq. No. | 7209 | Seq. ID | OJ990401_05.9922.C15 |
| Gene No. | 15209 | Strand | + |
| Start | 1 | End | 1797 |
| Name | OJ990401_05.9922.C15.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1797 |
| GI | 6691193 | Score | 732 |
| Exons | 1..48, 1019..1797 | | |
| GI Descrip. | (AC007534) F7F22.17 [Arabidopsis thaliana] | | |

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| Seq. No. | 7209 | Seq. ID | OJ990401_05.9922.C15 |
| Gene No. | 15209 | Strand | + |
| Start | 1 | End | 1797 |
| Name | OJ990401_05.9922.C15.o1.gs | Method | GENSCAN |
| Start | 119 | End | 1433 |
| GI | none | Score | .57 |
| Exons | 119..594, 927..1057, 1130..1433 | | |

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| Seq. No. | 7209 | Seq. ID | OJ990401_05.9922.C15 |
| Gene No. | 15209 | Strand | + |
| Start | 1 | End | 1797 |
| Name | OJ990401_05.9922.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 1246 | End | 1671 |
| GI | none | Score | 141 |
| Exons | 1246..1413, 1272..1415, 1415..1453, 1462..1659, 1477..1671 | | |

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| Seq. No. | 7209 | Seq. ID | OJ990401_05.9922.C15 |
| Gene No. | 15209 | Strand | + |
| Start | 1 | End | 1797 |
| Name | OJ990401_05.9922.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 1246 | End | 1650 |
| GI | none | Score | 135 |
| Exons | 1246..1413, 1263..1415, 1446..1541, 1477..1650 | | |

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|---|---|---|---|
| Seq. No. | 7209 | Seq. ID | OJ990401_05.9922.C15 |
| Gene No. | 15209 | Strand | + |
| Start | 1 | End | 1797 |
| Name | OJ990401_05.9922.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 1501 | End | 1752 |
| GI | none | Score | 181 |
| Exons | 1501..1752, 1522..1590, 1639..1752 | | |

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|---|---|---|---|
| Seq. No. | 7210 | Seq. ID | OJ990401_05.9922.C16 |
| Gene No. | 15210 | Strand | - |
| Start | 1 | End | 866 |
| Name | OJ990401_05.9922.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 866 |
| GI | 6705984 | Score | 277 |
| Exons | 1..31, 289..866 | | |
| GI Descrip. | (AB033235) gag-pol polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7210 | Seq. ID | OJ990401_05.9922.C16 |
| Gene No. | 15210 | Strand | - |
| Start | 1 | End | 866 |
| Name | OJ990401_05.9922.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 275 | End | 766 |
| GI | none | Score | 78 |
| Exons | 275..766, 351..533, 432..500 | | |

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|---|---|---|---|
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15211 | Strand | + |
| Start | 1 | End | 1445 |
| Name | OJ990401_05.9922.C18.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1445 |
| GI | 6691191 | Score | 1292 |
| Exons | 1..1445 | | |
| GI Descrip. | (AC007534) F7F22.15 [Arabidopsis thaliana] | | |

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| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15211 | Strand | + |
| Start | 1 | End | 1445 |
| Name | OJ990401_05.9922.C18.o1.gs | Method | GENSCAN |
| Start | 427 | End | 1428 |
| GI | none | Score | 1 |
| Exons | 427..1428 | | |

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|---|---|---|---|
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o4.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 174 |
| GI | none | Score | 179 |
| Exons | 1..174, 3..173 | | |

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|---|---|---|---|
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o1.tm | Method | TBLASTX:Maize |
| Start | 7 | End | 318 |
| GI | none | Score | 211 |

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|---|---|---|---|
| Exons | 7..318, 117..305 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o2.tw | Method | TBLASTX:Wheat |
| Start | 187 | End | 657 |
| GI | none | Score | 189 |
| Exons | 187..387, 189..371, 379..474, 454..657 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o3.ts | Method | TBLASTX:Soybean |
| Start | 193 | End | 327 |
| GI | none | Score | 200 |
| Exons | 193..327, 193..309, 207..314 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o1.tc | Method | TBLASTX:Cress |
| Start | 451 | End | 753 |
| GI | none | Score | 292 |
| Exons | 451..753, 603..752 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o2.ts | Method | TBLASTX:Soybean |
| Start | 774 | End | 1098 |
| GI | none | Score | 81 |
| Exons | 774..815, 775..816, 775..816, 813..1097, 814..1098 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o1.tw | Method | TBLASTX:Wheat |
| Start | 775 | End | 1230 |
| GI | none | Score | 364 |
| Exons | 775..1230, 780..1220 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o1.ts | Method | TBLASTX:Soybean |
| Start | 1099 | End | 1419 |
| GI | none | Score | 351 |
| Exons | 1099..1419, 1101..1337 | | |
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o3.tw | Method | TBLASTX:Wheat |
| Start | 1231 | End | 1419 |
| GI | none | Score | 211 |
| Exons | 1231..1419, 1258..1419 | | |

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|---|---|---|---|
| Seq. No. | 7211 | Seq. ID | OJ990401_05.9922.C18 |
| Gene No. | 15212 | Strand | + |
| Start | 1694 | End | 1821 |
| Name | OJ990401_05.9922.C18.o1.gp | Method | AAT/GAP |
| Start | 1694 | End | 1821 |
| GI | 2315_5.R1084 | Score | 153 |
| Exons | 1694..1821 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7212 | Seq. ID | OJ990401_05.9922.C19 |
| Gene No. | 15213 | Strand | + |
| Start | 1079 | End | 1845 |
| Name | OJ990401_05.9922.C19.o1.gs | Method | GENSCAN |
| Start | 1079 | End | 1845 |
| GI | none | Score | .92 |
| Exons | 1079..1213, 1721..1845 | | |

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|---|---|---|---|
| Seq. No. | 7212 | Seq. ID | OJ990401_05.9922.C19 |
| Gene No. | 15214 | Strand | - |
| Start | 4412 | End | 7558 |
| Name | OJ990401_05.9922.C19.o2.gs | Method | GENSCAN |
| Start | 4412 | End | 7558 |
| GI | none | Score | .46 |
| Exons | 4412..4881, 4964..5095, 6865..7558 | | |

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|---|---|---|---|
| Seq. No. | 7213 | Seq. ID | OJ990401_05.9922.C20 |
| Gene No. | 15215 | Strand | + |
| Start | 1 | End | 435 |
| Name | OJ990401_05.9922.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 435 |
| GI | 4539658 | Score | 226 |
| Exons | 1..31, 94..226, 268..435 | | |
| GI Descrip. | (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7213 | Seq. ID | OJ990401_05.9922.C20 |
| Gene No. | 15216 | Strand | + |
| Start | 784 | End | 2193 |
| Name | OJ990401_05.9922.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 52 | End | 727 |
| GI | none | Score | 82 |
| Exons | 52..126, 52..114, 111..236, 118..240, 118..222, 123..239, 484..600, 484..612, 497..613, 598..723, 605..727, 605..709, 610..726 | | |

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|---|---|---|---|
| Seq. No. | 7213 | Seq. ID | OJ990401_05.9922.C20 |
| Gene No. | 15216 | Strand | + |
| Start | 784 | End | 2193 |
| Name | OJ990401_05.9922.C20.o1.gs | Method | GENSCAN |
| Start | 784 | End | 2193 |
| GI | none | Score | .51 |
| Exons | 784..901, 1192..1549, 1590..2193 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |

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|---|---|---|---|
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1121 |
| GI | 4539660 | Score | 1492 |
| Exons | 1..1121 | | |
| GI Descrip. | (AF061282) polyprotein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o3.tw | Method | TBLASTX:Wheat |
| Start | 3 | End | 198 |
| GI | none | Score | 73 |
| Exons | 3..197, 61..198 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 57 | End | 641 |
| GI | none | Score | 273 |
| Exons | 57..485, 58..486, 127..486, 344..490, 345..545, 483..641, 487..639 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 198 | End | 809 |
| GI | none | Score | 317 |
| Exons | 198..809, 199..768 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 693 | End | 985 |
| GI | none | Score | 54 |
| Exons | 693..983, 696..803, 697..984, 845..985 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 786 | End | 1032 |
| GI | none | Score | 108 |
| Exons | 786..1031, 787..1032 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 808 | End | 1121 |
| GI | none | Score | 87 |
| Exons | 808..948, 840..950, 951..1121, 1003..1116 | | |

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|---|---|---|---|
| Seq. No. | 7214 | Seq. ID | OJ990401_04.9922.C1 |

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|---|---|---|---|
| Gene No. | 15217 | Strand | - |
| Start | 1 | End | 1121 |
| Name | OJ990401_04.9922.C1.o2.tw | Method | TBLASTX:Wheat |
| Start | 840 | End | 1121 |
| GI | none | Score | 256 |
| Exons | 840..1121, 844..1116, 846..1121 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5077 |
| GI | 5257279 | Score | 5906 |
| Exons | 1..95, 210..380, 597..3315, 3949..4184, 4532..5077 | | |
| GI Descrip. | (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 57 | End | 296 |
| GI | none | Score | 208 |
| Exons | 57..296, 64..294 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 63 | End | 309 |
| GI | none | Score | 115 |
| Exons | 63..308, 64..309 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 85 | End | 401 |
| GI | none | Score | 94 |
| Exons | 85..225, 117..227, 228..401, 280..393 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 117 | End | 596 |
| GI | none | Score | 285 |
| Exons | 117..596, 121..483, 123..506 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 597 | End | 1100 |
| GI | none | Score | 297 |
| Exons | 597..1100, 676..1065, 759..1091 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 764 | End | 2125 |
| GI | 4107139 | Score | 2484 |
| Exons | 764..2125 | | |
| GI Descrip. | 5257279/dbj\|BAA81778.1\| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa] | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 789 | End | 1230 |
| GI | none | Score | 130 |
| Exons | 789..1229, 801..1088, 802..1230 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 849 | End | 1094 |
| GI | none | Score | 83 |
| Exons | 849..1094, 964..1065 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o4.tw | Method | TBLASTX:Wheat |
| Start | 1101 | End | 1338 |
| GI | none | Score | 148 |
| Exons | 1101..1337, 1117..1338 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 1116 | End | 1511 |
| GI | none | Score | 231 |
| Exons | 1116..1475, 1117..1473, 1146..1481, 1322..1480, 1479..1511 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 1234 | End | 1397 |
| GI | none | Score | 124 |
| Exons | 1234..1392, 1236..1397, 1242..1397 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 1248 | End | 1934 |
| GI | none | Score | 47 |
| Exons | 1248..1286, 1339..1383, 1452..1934, 1456..1599, 1485..1805, | | |

1627..1923

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 1398 | End | 1868 |
| GI | none | Score | 62 |
| Exons | 1398..1868, 1621..1794 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 1869 | End | 2031 |
| GI | none | Score | 151 |
| Exons | 1869..2030, 1870..2031 | | |

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|---|---|---|---|
| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o6.tw | Method | TBLASTX:Wheat |
| Start | 2106 | End | 2484 |
| GI | none | Score | 78 |
| Exons | 2106..2228, 2107..2217, 2112..2264, 2262..2483, 2325..2483, 2362..2484 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o6.tm | Method | TBLASTX:Maize |
| Start | 2164 | End | 2489 |
| GI | none | Score | 58 |
| Exons | 2164..2298, 2166..2489, 2341..2442 | | |

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| Seq. No. | 7215 | Seq. ID | OJ990401_04.9922.C2 |
| Gene No. | 15218 | Strand | - |
| Start | 1 | End | 5077 |
| Name | OJ990401_04.9922.C2.o5.tw | Method | TBLASTX:Wheat |
| Start | 3036 | End | 3399 |
| GI | none | Score | 107 |
| Exons | 3036..3182, 3207..3398, 3217..3399 | | |

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|---|---|---|---|
| Seq. No. | 7216 | Seq. ID | OJ990401_04.9922.C3 |
| Gene No. | 15219 | Strand | + |
| Start | 278 | End | 659 |
| Name | OJ990401_04.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 278 | End | 659 |
| GI | uC-osflcyp033a04b1 | Score | 679 |
| Exons | 278..659 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 7216 | Seq. ID | OJ990401_04.9922.C3 |
| Gene No. | 15220 | Strand | + |
| Start | 2404 | End | 5687 |
| Name | OJ990401_04.9922.C3.o3.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 2404 | End | 5687 |
| GI | 4539658 | Score | 107 |
| Exons | 2404..2539, 2917..2959, 5668..5687 | | |
| GI Descrip. | (AF061282) serine carboxypeptidase-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7216 | Seq. ID | OJ990401_04.9922.C3 |
| Gene No. | 15221 | Strand | - |
| Start | 211 | End | 411 |
| Name | OJ990401_04.9922.C3.o1.np | Method | AAT/NAP |
| Start | 211 | End | 411 |
| GI | 4680186 | Score | 334 |
| Exons | 211..411 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7216 | Seq. ID | OJ990401_04.9922.C3 |
| Gene No. | 15222 | Strand | - |
| Start | 508 | End | 565 |
| Name | OJ990401_04.9922.C3.o2.np | Method | AAT/NAP |
| Start | 508 | End | 565 |
| GI | 5852180 | Score | 43 |
| Exons | 508..565 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7216 | Seq. ID | OJ990401_04.9922.C3 |
| Gene No. | 15223 | Strand | - |
| Start | 3580 | End | 4103 |
| Name | OJ990401_04.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 3580 | End | 4103 |
| GI | LIB3434-038-P1-K1-F1 | Score | 756 |
| Exons | 3580..4103 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15224 | Strand | + |
| Start | 3971 | End | 4412 |
| Name | OJ990401_04.9922.C4.o2.np | Method | AAT/NAP |
| Start | 3971 | End | 4412 |
| GI | 5042462 | Score | 94 |
| Exons | 3971..4318, 4347..4412 | | |
| GI Descrip. | (AC007789) putative negatively light-regulated protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15225 | Strand | + |
| Start | 9233 | End | 11401 |
| Name | OJ990401_04.9922.C4.o3.gs | Method | GENSCAN |
| Start | 9233 | End | 11401 |
| GI | none | Score | .71 |
| Exons | 9233..9246, 10015..10396, 10455..10615, 11348..11401 | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15226 | Strand | - |
| Start | 1 | End | 3325 |
| Name | OJ990401_04.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1027 |

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|---|---|---|---|
| GI | 5902448 | Score | 999 |
| Exons | 1..64, 413..1027 | | |
| GI Descrip. | (AB030283) orf3 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15226 | Strand | - |
| Start | 1 | End | 3325 |
| Name | OJ990401_04.9922.C4.o1.gs | Method | GENSCAN |
| Start | 908 | End | 3325 |
| GI | none | Score | .56 |
| Exons | 908..1066, 2710..2840, 3283..3325 | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15227 | Strand | - |
| Start | 4187 | End | 5315 |
| Name | OJ990401_04.9922.C4.o3.np | Method | AAT/NAP |
| Start | 4187 | End | 5315 |
| GI | 5852181 | Score | 117 |
| Exons | 4187..4312, 5041..5315 | | |
| GI Descrip. | (AL117265) zhb0011.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15228 | Strand | - |
| Start | 8978 | End | 10514 |
| Name | OJ990401_04.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 617 | End | 907 |
| GI | none | Score | 214 |
| Exons | 617..907 | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15228 | Strand | - |
| Start | 8978 | End | 10514 |
| Name | OJ990401_04.9922.C4.o4.np | Method | AAT/NAP |
| Start | 8978 | End | 10514 |
| GI | 6063554 | Score | 175 |
| Exons | 8978..9173, 10301..10514 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7217 | Seq. ID | OJ990401_04.9922.C4 |
| Gene No. | 15228 | Strand | - |
| Start | 8978 | End | 10514 |
| Name | OJ990401_04.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 9218 | End | 9593 |
| GI | 2427387 | Score | 671 |
| Exons | 9218..9593 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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|---|---|---|---|
| Seq. No. | 7218 | Seq. ID | OJ990401_04.9922.C5 |
| Gene No. | 15229 | Strand | + |
| Start | 1 | End | 110 |
| Name | OJ990401_04.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 110 |
| GI | 4680186 | Score | 134 |
| Exons | 1..110 | | |

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o1.gs | Method | GENSCAN |
| Start | 418 | End | 2575 |
| GI | none | Score | .45 |
| Exons | 418..692, 1094..1375, 1479..1607, 1742..1845, 2358..2575 | | |

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o1.np | Method | AAT/NAP |
| Start | 1638 | End | 2607 |
| GI | 6691191 | Score | 831 |
| Exons | 1638..2607 | | |
| GI Descrip. | (AC007534) F7F22.15 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 1737 | End | 2225 |
| GI | none | Score | 172 |
| Exons | 1737..1826, 1836..2225, 1837..2223 | | |

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 1833 | End | 2218 |
| GI | none | Score | 184 |
| Exons | 1833..2213, 1834..2154, 2063..2218 | | |

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 2226 | End | 2549 |
| GI | none | Score | 93 |
| Exons | 2226..2399, 2227..2367, 2363..2509, 2364..2510, 2507..2548, 2508..2549 | | |

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|---|---|---|---|
| Seq. No. | 7219 | Seq. ID | OJ990401_04.9922.C6 |
| Gene No. | 15230 | Strand | - |
| Start | 418 | End | 2607 |
| Name | OJ990401_04.9922.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 2238 | End | 2548 |
| GI | none | Score | 130 |
| Exons | 2238..2381, 2363..2548, 2364..2543 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4159 |

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|---|---|---|---|
| GI | 6691191 | Score | 1818 |
| Exons | 1..1742, 4081..4159 | | |
| GI Descrip. | (AC007534) F7F22.15 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o4.tw | Method | TBLASTX:Wheat |
| Start | 8 | End | 340 |
| GI | none | Score | 92 |
| Exons | 8..61, 80..148, 137..340, 170..337 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o1.gs | Method | GENSCAN |
| Start | 75 | End | 2717 |
| GI | none | Score | .81 |
| Exons | 75..273, 528..2133, 2298..2717 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 200 | End | 334 |
| GI | none | Score | 79 |
| Exons | 200..334, 213..320, 218..334 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 209 | End | 425 |
| GI | none | Score | 73 |
| Exons | 209..424, 291..425 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 353 | End | 658 |
| GI | none | Score | 63 |
| Exons | 353..430, 354..431, 395..658, 427..654 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 443 | End | 798 |
| GI | none | Score | 162 |
| Exons | 443..733, 445..732, 733..798 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 511 | End | 924 |

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|---|---|---|---|
| GI | none | Score | 121 |
| Exons | 511..924, 512..832 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 658 | End | 1074 |
| GI | none | Score | 260 |
| Exons | 658..1074, 665..973, 708..1067, 847..1068 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 940 | End | 1302 |
| GI | none | Score | 224 |
| Exons | 940..1302 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 1164 | End | 1590 |
| GI | none | Score | 132 |
| Exons | 1164..1280, 1165..1494, 1165..1590, 1316..1564 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 1186 | End | 1590 |
| GI | none | Score | 202 |
| Exons | 1186..1590, 1304..1573 | | |

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|---|---|---|---|
| Seq. No. | 7220 | Seq. ID | OJ990401_04.9922.C7 |
| Gene No. | 15231 | Strand | - |
| Start | 1 | End | 4159 |
| Name | OJ990401_04.9922.C7.o3.np | Method | AAT/NAP |
| Start | 2150 | End | 4159 |
| GI | 5852181 | Score | 114 |
| Exons | 2150..2175, 3377..3561, 4068..4159 | | |
| GI Descrip. | (AL117265) zhb0011.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7221 | Seq. ID | OJ990401_04.9922.C8 |
| Gene No. | 15232 | Strand | + |
| Start | 260 | End | 1136 |
| Name | OJ990401_04.9922.C8.o1.gs | Method | GENSCAN |
| Start | 260 | End | 1102 |
| GI | none | Score | .8 |
| Exons | 260..1102 | | |

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|---|---|---|---|
| Seq. No. | 7221 | Seq. ID | OJ990401_04.9922.C8 |
| Gene No. | 15232 | Strand | + |
| Start | 260 | End | 1136 |
| Name | OJ990401_04.9922.C8.o1.np | Method | AAT/NAP |
| Start | 924 | End | 1136 |

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|---|---|---|---|
| GI | 4680339 | Score | 86 |
| Exons | 924..1136 | | |
| GI Descrip. | (AF128457) hypothetical protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7222 | Seq. ID | OJ990401_04.9922.C9 |
| Gene No. | 15233 | Strand | + |
| Start | 91 | End | 306 |
| Name | OJ990401_04.9922.C9.o1.gs | Method | GENSCAN |
| Start | 91 | End | 306 |
| GI | none | Score | .96 |
| Exons | 91..306 | | |

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|---|---|---|---|
| Seq. No. | 7223 | Seq. ID | OJ990401_04.9922.C11 |
| Gene No. | 15234 | Strand | + |
| Start | 1 | End | 1091 |
| Name | OJ990401_04.9922.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 222 |
| GI | 4680186 | Score | 359 |
| Exons | 1..222 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7223 | Seq. ID | OJ990401_04.9922.C11 |
| Gene No. | 15234 | Strand | + |
| Start | 1 | End | 1091 |
| Name | OJ990401_04.9922.C11.o2.np | Method | AAT/NAP |
| Start | 1 | End | 1091 |
| GI | 5852180 | Score | 153 |
| Exons | 1..86, 905..1091 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7223 | Seq. ID | OJ990401_04.9922.C11 |
| Gene No. | 15234 | Strand | + |
| Start | 1 | End | 1091 |
| Name | OJ990401_04.9922.C11.o1.gs | Method | GENSCAN |
| Start | 115 | End | 1055 |
| GI | none | Score | .63 |
| Exons | 115..175, 976..1055 | | |

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|---|---|---|---|
| Seq. No. | 7223 | Seq. ID | OJ990401_04.9922.C11 |
| Gene No. | 15235 | Strand | - |
| Start | 1 | End | 155 |
| Name | OJ990401_04.9922.C11.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 155 |
| GI | uC-osflcyp033a04b1 | Score | 287 |
| Exons | 1..155 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7224 | Seq. ID | OJ990401_04.9922.C12 |
| Gene No. | 15236 | Strand | + |
| Start | 1 | End | 699 |
| Name | OJ990401_04.9922.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 699 |
| GI | 5902448 | Score | 1116 |
| Exons | 1..699 | | |
| GI Descrip. | (AB030283) orf3 [Oryza sativa] | | |

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| Seq. No. | 7224 | Seq. ID | OJ990401_04.9922.C12 |
| Gene No. | 15236 | Strand | + |
| Start | 1 | End | 699 |
| Name | OJ990401_04.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 7 | End | 198 |
| GI | none | Score | 177 |
| Exons | 7..198 | | |

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|---|---|---|---|
| Seq. No. | 7224 | Seq. ID | OJ990401_04.9922.C12 |
| Gene No. | 15236 | Strand | + |
| Start | 1 | End | 699 |
| Name | OJ990401_04.9922.C12.o1.gs | Method | GENSCAN |
| Start | 364 | End | 690 |
| GI | none | Score | .68 |
| Exons | 364..690 | | |

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|---|---|---|---|
| Seq. No. | 7225 | Seq. ID | OJ990401_04.9922.C14 |
| Gene No. | 15237 | Strand | + |
| Start | 70 | End | 2274 |
| Name | OJ990401_04.9922.C14.o1.gs | Method | GENSCAN |
| Start | 70 | End | 2274 |
| GI | none | Score | .73 |
| Exons | 70..738, 764..1333, 1772..1884, 2094..2274 | | |

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|---|---|---|---|
| Seq. No. | 7225 | Seq. ID | OJ990401_04.9922.C14 |
| Gene No. | 15238 | Strand | - |
| Start | 5559 | End | 5693 |
| Name | OJ990401_04.9922.C14.o2.gs | Method | GENSCAN |
| Start | 5559 | End | 5693 |
| GI | none | Score | .72 |
| Exons | 5559..5693 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15239 | Strand | + |
| Start | 242 | End | 4105 |
| Name | OJ990401_04.9922.C16.o1.gs | Method | GENSCAN |
| Start | 242 | End | 3563 |
| GI | none | Score | .45 |
| Exons | 242..799, 859..1041, 1177..1296, 1840..2050, 2270..2395, 2453..2627, 2840..3563 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15239 | Strand | + |
| Start | 242 | End | 4105 |
| Name | OJ990401_04.9922.C16.o1.np | Method | AAT/NAP |
| Start | 245 | End | 4105 |
| GI | 6539553 | Score | 4651 |
| Exons | 245..4105 | | |
| GI Descrip. | (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] | | |

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| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15240 | Strand | + |
| Start | 7755 | End | 13255 |
| Name | OJ990401_04.9922.C16.o2.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 7755 | End | 13255 |
| GI | 5922631 | Score | 5729 |
| Exons | 7755..7879, 8138..8382, 8641..8843, 8889..9462, 9505..9655, 9782..10708, 11313..13255 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15240 | Strand | + |
| Start | 7755 | End | 13255 |
| Name | OJ990401_04.9922.C16.o3.gs | Method | GENSCAN |
| Start | 7755 | End | 8372 |
| GI | none | Score | .69 |
| Exons | 7755..7957, 8099..8372 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15240 | Strand | + |
| Start | 7755 | End | 13255 |
| Name | OJ990401_04.9922.C16.o4.gs | Method | GENSCAN |
| Start | 8712 | End | 12529 |
| GI | none | Score | .52 |
| Exons | 8712..8850, 8894..10700, 10795..10998, 11104..12529 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15241 | Strand | - |
| Start | 4819 | End | 6893 |
| Name | OJ990401_04.9922.C16.o2.gs | Method | GENSCAN |
| Start | 4819 | End | 6893 |
| GI | none | Score | .47 |
| Exons | 4819..4937, 4994..5231, 5538..6374, 6616..6718, 6754..6893 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o12.tw | Method | TBLASTX:Wheat |
| Start | 266 | End | 619 |
| GI | none | Score | 48 |
| Exons | 266..328, 374..619 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o9.tm | Method | TBLASTX:Maize |
| Start | 370 | End | 676 |
| GI | none | Score | 232 |
| Exons | 370..615, 371..676 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o3.tm | Method | TBLASTX:Maize |
| Start | 1186 | End | 1536 |

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|---|---|---|---|
| GI | none | Score | 371 |
| Exons | 1186..1296, 1192..1491, 1200..1454, 1321..1491, 1495..1536 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o11.tw | Method | TBLASTX:Wheat |
| Start | 1609 | End | 1950 |
| GI | none | Score | 257 |
| Exons | 1609..1950, 1863..1949 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o7.tm | Method | TBLASTX:Maize |
| Start | 1804 | End | 2382 |
| GI | none | Score | 220 |
| Exons | 1804..2112, 1929..2096, 2133..2303, 2134..2382 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o2.ts | Method | TBLASTX:Soybean |
| Start | 1900 | End | 2298 |
| GI | none | Score | 220 |
| Exons | 1900..2124, 1902..2120, 2127..2192, 2134..2298 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 1956 | End | 2690 |
| GI | none | Score | 615 |
| Exons | 1956..2390, 1963..2442, 2446..2622, 2496..2618, 2619..2690, 2619..2684, 2621..2686 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 2625 | End | 3074 |
| GI | 5509260 | Score | 375 |
| Exons | 2625..3074, 2705..3055 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 2703 | End | 2963 |
| GI | none | Score | 281 |
| Exons | 2703..2963 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o5.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 2744 | End | 3191 |
| GI | none | Score | 336 |
| Exons | 2744..3106, 2745..3191 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o4.tw | Method | TBLASTX:Wheat |
| Start | 2745 | End | 3290 |
| GI | none | Score | 316 |
| Exons | 2745..3089, 2762..2875, 2900..3037, 3084..3290, 3158..3280 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o3.ts | Method | TBLASTX:Soybean |
| Start | 3123 | End | 3488 |
| GI | none | Score | 300 |
| Exons | 3123..3488, 3141..3335, 3143..3472 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o8.tm | Method | TBLASTX:Maize |
| Start | 3299 | End | 3637 |
| GI | none | Score | 195 |
| Exons | 3299..3541, 3312..3539, 3535..3636, 3536..3637 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 3495 | End | 3969 |
| GI | none | Score | 55 |
| Exons | 3495..3539, 3500..3541, 3503..3538, 3535..3564, 3536..3568, 3582..3923, 3583..3945, 3584..3967, 3586..3969 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o6.ts | Method | TBLASTX:Soybean |
| Start | 3535 | End | 3841 |
| GI | none | Score | 75 |
| Exons | 3535..3603, 3536..3613, 3632..3841, 3637..3768 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o10.tw | Method | TBLASTX:Wheat |
| Start | 9066 | End | 9468 |
| GI | none | Score | 289 |
| Exons | 9066..9335, 9067..9468 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o8.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 10081 | End | 10482 |
| GI | none | Score | 327 |
| Exons | 10081..10482, 10221..10466 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o3.tw | Method | TBLASTX:Wheat |
| Start | 10723 | End | 11179 |
| GI | none | Score | 447 |
| Exons | 10723..10848, 10724..11179, 10841..11155, 10918..11178 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o6.tm | Method | TBLASTX:Maize |
| Start | 10918 | End | 11209 |
| GI | none | Score | 333 |
| Exons | 10918..11199, 10919..11209 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o9.tw | Method | TBLASTX:Wheat |
| Start | 11179 | End | 11497 |
| GI | none | Score | 321 |
| Exons | 11179..11496, 11180..11497 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o4.ts | Method | TBLASTX:Soybean |
| Start | 11372 | End | 11746 |
| GI | none | Score | 269 |
| Exons | 11372..11746, 11389..11532, 11405..11686 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o4.tm | Method | TBLASTX:Maize |
| Start | 11440 | End | 11884 |
| GI | none | Score | 277 |
| Exons | 11440..11694, 11441..11695, 11716..11847, 11717..11860, 11858..11884 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o7.tw | Method | TBLASTX:Wheat |
| Start | 11542 | End | 11971 |
| GI | none | Score | 390 |
| Exons | 11542..11817, 11543..11971 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o5.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 11999 | End | 12387 |
| GI | none | Score | 88 |
| Exons | 11999..12103, 12007..12213, 12143..12385, 12268..12387 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o5.tw | Method | TBLASTX:Wheat |
| Start | 12008 | End | 12430 |
| GI | none | Score | 394 |
| Exons | 12008..12430, 12013..12354 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o10.tm | Method | TBLASTX:Maize |
| Start | 12191 | End | 12514 |
| GI | none | Score | 199 |
| Exons | 12191..12514 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 12743 | End | 13105 |
| GI | none | Score | 415 |
| Exons | 12743..13066, 12763..13053, 13058..13105 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o6.tw | Method | TBLASTX:Wheat |
| Start | 12748 | End | 13137 |
| GI | none | Score | 393 |
| Exons | 12748..13059, 12749..13135, 12956..13135, 13090..13137 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o5.gs | Method | GENSCAN |
| Start | 12980 | End | 17914 |
| GI | none | Score | .65 |
| Exons | 12980..13356, 15231..15532, 15615..16450, 16513..17004, 17274..17444, 17837..17914 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o3.np | Method | AAT/NAP |
| Start | 14299 | End | 16713 |
| GI | 479357 | Score | 972 |
| Exons | 14299..14340, 14700..15133, 15231..15532, 15615..16444, 16507..16713 | | |
| GI Descrip. | hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |

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|---|---|---|---|
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o11.tm | Method | TBLASTX:Maize |
| Start | 14922 | End | 15125 |
| GI | none | Score | 79 |
| Exons | 14922..15125, 14961..15116 | | |

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| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 15370 | End | 16078 |
| GI | none | Score | 83 |
| Exons | 15370..15531, 15386..15529, 15620..15730, 15621..15722, 15731..15802, 15738..15803, 15798..16073, 15800..16078 | | |

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|---|---|---|---|
| Seq. No. | 7226 | Seq. ID | OJ990401_04.9922.C16 |
| Gene No. | 15242 | Strand | - |
| Start | 12980 | End | 17914 |
| Name | OJ990401_04.9922.C16.o12.tm | Method | TBLASTX:Maize |
| Start | 16082 | End | 16375 |
| GI | none | Score | 63 |
| Exons | 16082..16375, 16140..16367 | | |

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|---|---|---|---|
| Seq. No. | 7227 | Seq. ID | OJ990401_04.9922.C17 |
| Gene No. | 15243 | Strand | + |
| Start | 1 | End | 6192 |
| Name | OJ990401_04.9922.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5805 |
| GI | 5852180 | Score | 344 |
| Exons | 1..418, 1093..1150, 5786..5805 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7227 | Seq. ID | OJ990401_04.9922.C17 |
| Gene No. | 15243 | Strand | + |
| Start | 1 | End | 6192 |
| Name | OJ990401_04.9922.C17.o1.gp | Method | AAT/GAP |
| Start | 5226 | End | 5512 |
| GI | uC-osflcyp033a04b1 | Score | 427 |
| Exons | 5226..5512 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7227 | Seq. ID | OJ990401_04.9922.C17 |
| Gene No. | 15243 | Strand | + |
| Start | 1 | End | 6192 |
| Name | OJ990401_04.9922.C17.o2.np | Method | AAT/NAP |
| Start | 5324 | End | 6192 |
| GI | 5852180 | Score | 51 |
| Exons | 5324..5377, 6132..6192 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7227 | Seq. ID | OJ990401_04.9922.C17 |
| Gene No. | 15244 | Strand | - |
| Start | 2917 | End | 6192 |
| Name | OJ990401_04.9922.C17.o3.np | Method | AAT/NAP |
| Start | 2917 | End | 6192 |

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|---|---|---|---|
| GI | 5852180 | Score | 53 |
| Exons | 2917..2991, 3281..3349, 5340..5453, 5934..5987, 6113..6192 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7228 | Seq. ID | OJ990401_04.9922.C18 |
| Gene No. | 15245 | Strand | + |
| Start | 1 | End | 1567 |
| Name | OJ990401_04.9922.C18.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1567 |
| GI | 6691716 | Score | 470 |
| Exons | 1..26, 630..907, 1105..1270, 1347..1567 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7228 | Seq. ID | OJ990401_04.9922.C18 |
| Gene No. | 15245 | Strand | + |
| Start | 1 | End | 1567 |
| Name | OJ990401_04.9922.C18.o1.gs | Method | GENSCAN |
| Start | 635 | End | 1559 |
| GI | none | Score | .59 |
| Exons | 635..907, 1063..1270, 1322..1559 | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15246 | Strand | + |
| Start | 1 | End | 974 |
| Name | OJ990401_04.9922.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 962 |
| GI | 6691716 | Score | 764 |
| Exons | 1..38, 113..215, 335..448, 523..962 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15246 | Strand | + |
| Start | 1 | End | 974 |
| Name | OJ990401_04.9922.C19.o1.gs | Method | GENSCAN |
| Start | 333 | End | 974 |
| GI | none | Score | .98 |
| Exons | 333..448, 523..974 | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o2.gs | Method | GENSCAN |
| Start | 1304 | End | 2137 |
| GI | none | Score | .67 |
| Exons | 1304..1536, 1576..2137 | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o2.np | Method | AAT/NAP |
| Start | 1307 | End | 2303 |
| GI | 5902445 | Score | 1643 |
| Exons | 1307..2303 | | |

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 1316 | End | 1930 |
| GI | none | Score | 95 |
| Exons | 1316..1447, 1439..1930, 1641..1769, 1824..1910 | | |

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| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o2.tm | Method | TBLASTX:Maize |
| Start | 1355 | End | 1618 |
| GI | none | Score | 97 |
| Exons | 1355..1456, 1356..1457, 1436..1618, 1437..1562 | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 1899 | End | 2282 |
| GI | none | Score | 87 |
| Exons | 1899..2045, 1901..2014, 2009..2275, 2025..2282 | | |

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|---|---|---|---|
| Seq. No. | 7229 | Seq. ID | OJ990401_04.9922.C19 |
| Gene No. | 15247 | Strand | - |
| Start | 1304 | End | 2303 |
| Name | OJ990401_04.9922.C19.o2.tw | Method | TBLASTX:Wheat |
| Start | 1932 | End | 2299 |
| GI | none | Score | 221 |
| Exons | 1932..2294, 1934..2299, 2045..2299 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15248 | Strand | + |
| Start | 3194 | End | 4746 |
| Name | OJ990401_04.9922.C20.o2.np | Method | AAT/NAP |
| Start | 3194 | End | 4746 |
| GI | 6539588 | Score | 59 |
| Exons | 3194..3525, 4729..4746 | | |

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15248 | Strand | + |
| Start | 3194 | End | 4746 |
| Name | OJ990401_04.9922.C20.o3.gs | Method | GENSCAN |
| Start | 3573 | End | 4588 |
| GI | none | Score | .5 |
| Exons | 3573..3913, 3968..4331, 4445..4588 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15249 | Strand | + |
| Start | 5572 | End | 8207 |
| Name | OJ990401_04.9922.C20.o4.gs | Method | GENSCAN |
| Start | 5572 | End | 8207 |
| GI | none | Score | .65 |

| | | | |
|---|---|---|---|
| Exons | 5572..5706, 8064..8207 | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15250 | Strand | - |
| Start | 1 | End | 5550 |
| Name | OJ990401_04.9922.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5550 |
| GI | 5922631 | Score | 3182 |
| Exons | 1..1355, 1961..2828, 5503..5550 | | |
| GI Descrip. | (AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15250 | Strand | - |
| Start | 1 | End | 5550 |
| Name | OJ990401_04.9922.C20.o2.gs | Method | GENSCAN |
| Start | 910 | End | 3344 |
| GI | none | Score | .85 |
| Exons | 910..1599, 1698..1872, 1969..2633, 2673..2827, 3242..3344 | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o4.tw | Method | TBLASTX:Wheat |
| Start | 247 | End | 660 |
| GI | none | Score | 228 |
| Exons | 247..519, 314..655, 556..660 | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o2.ts | Method | TBLASTX:Soybean |
| Start | 281 | End | 663 |
| GI | none | Score | 65 |
| Exons | 281..421, 283..525, 455..520, 565..663, 575..661 | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o3.tw | Method | TBLASTX:Wheat |
| Start | 697 | End | 1126 |
| GI | none | Score | 99 |
| Exons | 697..1125, 812..1126 | | |
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 796 | End | 1228 |
| GI | none | Score | 134 |
| Exons | 796..951, 970..1227, 973..1227, 974..1228 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o1.ts | Method | TBLASTX:Soybean |
| Start | 922 | End | 1326 |
| GI | none | Score | 136 |
| Exons | 922..1326, 929..1276 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o2.tw | Method | TBLASTX:Wheat |
| Start | 1171 | End | 1590 |
| GI | none | Score | 224 |
| Exons | 1171..1590, 1172..1588 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o2.tm | Method | TBLASTX:Maize |
| Start | 1459 | End | 1814 |
| GI | none | Score | 82 |
| Exons | 1459..1635, 1469..1639, 1629..1676, 1629..1814, 1660..1773 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o5.tw | Method | TBLASTX:Wheat |
| Start | 1635 | End | 1823 |
| GI | none | Score | 40 |
| Exons | 1635..1823, 1637..1675, 1660..1821 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o1.tw | Method | TBLASTX:Wheat |
| Start | 1824 | End | 2621 |
| GI | none | Score | 128 |
| Exons | 1824..2117, 1828..2028, 2164..2400, 2166..2396, 2445..2621 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o3.tm | Method | TBLASTX:Maize |
| Start | 2135 | End | 2312 |
| GI | none | Score | 105 |
| Exons | 2135..2266, 2136..2312, 2167..2301 | | |

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|---|---|---|---|
| Seq. No. | 7230 | Seq. ID | OJ990401_04.9922.C20 |
| Gene No. | 15251 | Strand | - |
| Start | 9055 | End | 9408 |
| Name | OJ990401_04.9922.C20.o5.gs | Method | GENSCAN |
| Start | 9055 | End | 9408 |
| GI | none | Score | .65 |
| Exons | 9055..9092, 9318..9408 | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |

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|---|---|---|---|
| Gene No. | 15252 | Strand | + |
| Start | 1 | End | 3938 |
| Name | OJ990401_04.9922.C21.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3938 |
| GI | 5852180 | Score | 708 |
| Exons | 1..107, 160..230, 1212..1330, 1382..1964, 2020..2153, 2701..3027, 3113..3938 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15253 | Strand | - |
| Start | 79 | End | 460 |
| Name | OJ990401_04.9922.C21.o1.gp | Method | AAT/GAP |
| Start | 79 | End | 460 |
| GI | uC-osf1cyp033a04b1 | Score | 667 |
| Exons | 79..460 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o2.np | Method | AAT/NAP |
| Start | 1728 | End | 6577 |
| GI | 5042447 | Score | 432 |
| Exons | 1728..1750, 5130..5873, 6553..6577 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o4.gp | Method | AAT/GAP |
| Start | 1862 | End | 2195 |
| GI | 61605_3.R1084 | Score | 356 |
| Exons | 1862..2195 | | |
| GI Descrip. | '1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o5.gp | Method | AAT/GAP |
| Start | 2727 | End | 3156 |
| GI | 2428185 | Score | 813 |
| Exons | 2727..3156 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o6.gp | Method | AAT/GAP |
| Start | 3174 | End | 3908 |
| GI | 101153_1.R1084 | Score | 584 |
| Exons | 3174..3402, 3719..3908 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o2.gs | Method | GENSCAN |
| Start | 3563 | End | 5864 |
| GI | none | Score | .73 |
| Exons | 3563..3572, 3719..4036, 4987..5015, 5263..5864 | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o1.tw | Method | TBLASTX:Wheat |
| Start | 5499 | End | 5793 |
| GI | none | Score | 43 |
| Exons | 5499..5564, 5533..5793, 5602..5772 | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 5533 | End | 5793 |
| GI | none | Score | 206 |
| Exons | 5533..5793 | | |

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|---|---|---|---|
| Seq. No. | 7231 | Seq. ID | OJ990401_04.9922.C21 |
| Gene No. | 15254 | Strand | - |
| Start | 1728 | End | 6577 |
| Name | OJ990401_04.9922.C21.o8.gp | Method | AAT/GAP |
| Start | 6411 | End | 6577 |
| GI | 61605_3.R1084 | Score | 209 |
| Exons | 6411..6577 | | |
| GI Descrip. | '1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7232 | Seq. ID | OJ990401_04.9922.C23 |
| Gene No. | 15255 | Strand | + |
| Start | 1 | End | 482 |
| Name | OJ990401_04.9922.C23.o1.np | Method | AAT/NAP |
| Start | 1 | End | 181 |
| GI | 5852180 | Score | 43 |
| Exons | 1..22, 111..181 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7232 | Seq. ID | OJ990401_04.9922.C23 |
| Gene No. | 15255 | Strand | + |
| Start | 1 | End | 482 |
| Name | OJ990401_04.9922.C23.o2.np | Method | AAT/NAP |
| Start | 1 | End | 482 |
| GI | 4680186 | Score | 241 |
| Exons | 1..126, 253..482 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7232 | Seq. ID | OJ990401_04.9922.C23 |
| Gene No. | 15256 | Strand | - |
| Start | 30 | End | 411 |
| Name | OJ990401_04.9922.C23.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 30 | End | 411 |
| GI | uC-osf1cyp033a04b1 | Score | 667 |
| Exons | 30..411 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7233 | Seq. ID | OJ990401_04.9922.C24 |
| Gene No. | 15257 | Strand | + |
| Start | 67 | End | 338 |
| Name | OJ990401_04.9922.C24.o1.gs | Method | GENSCAN |
| Start | 67 | End | 338 |
| GI | none | Score | .6 |
| Exons | 67..338 | | |

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|---|---|---|---|
| Seq. No. | 7233 | Seq. ID | OJ990401_04.9922.C24 |
| Gene No. | 15258 | Strand | - |
| Start | 169 | End | 412 |
| Name | OJ990401_04.9922.C24.o1.np | Method | AAT/NAP |
| Start | 169 | End | 412 |
| GI | 5902445 | Score | 259 |
| Exons | 169..412 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7234 | Seq. ID | OJ990401_04.9922.C25 |
| Gene No. | 15259 | Strand | - |
| Start | 128 | End | 1225 |
| Name | OJ990401_04.9922.C25.o1.gs | Method | GENSCAN |
| Start | 128 | End | 1225 |
| GI | none | Score | .57 |
| Exons | 128..272, 300..341, 995..1225 | | |

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|---|---|---|---|
| Seq. No. | 7235 | Seq. ID | OJ990401_04.9922.C26 |
| Gene No. | 15260 | Strand | - |
| Start | 1 | End | 3744 |
| Name | OJ990401_04.9922.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3744 |
| GI | 4680179 | Score | 603 |
| Exons | 1..30, 2487..2722, 2885..3744 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7235 | Seq. ID | OJ990401_04.9922.C26 |
| Gene No. | 15260 | Strand | - |
| Start | 1 | End | 3744 |
| Name | OJ990401_04.9922.C26.o1.gs | Method | GENSCAN |
| Start | 159 | End | 1153 |
| GI | none | Score | .56 |
| Exons | 159..388, 928..1153 | | |

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|---|---|---|---|
| Seq. No. | 7235 | Seq. ID | OJ990401_04.9922.C26 |
| Gene No. | 15260 | Strand | - |
| Start | 1 | End | 3744 |
| Name | OJ990401_04.9922.C26.o2.gs | Method | GENSCAN |
| Start | 2139 | End | 3723 |
| GI | none | Score | .75 |
| Exons | 2139..2294, 2403..2506, 2520..3723 | | |

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|---|---|---|---|
| Seq. No. | 7235 | Seq. ID | OJ990401_04.9922.C26 |

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|---|---|---|---|
| Gene No. | 15260 | Strand | - |
| Start | 1 | End | 3744 |
| Name | OJ990401_04.9922.C26.o1.tm | Method | TBLASTX:Maize |
| Start | 2962 | End | 3261 |
| GI | none | Score | 77 |
| Exons | 2962..3261, 3134..3247 | | |

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|---|---|---|---|
| Seq. No. | 7235 | Seq. ID | OJ990401_04.9922.C26 |
| Gene No. | 15260 | Strand | - |
| Start | 1 | End | 3744 |
| Name | OJ990401_04.9922.C26.o1.tw | Method | TBLASTX:Wheat |
| Start | 3145 | End | 3501 |
| GI | none | Score | 153 |
| Exons | 3145..3501, 3146..3499 | | |

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|---|---|---|---|
| Seq. No. | 7236 | Seq. ID | OJ990401_04.9922.C27 |
| Gene No. | 15261 | Strand | + |
| Start | 2287 | End | 2671 |
| Name | OJ990401_04.9922.C27.o1.gp | Method | AAT/GAP |
| Start | 2287 | End | 2671 |
| GI | uC-osflcyp033a04b1 | Score | 620 |
| Exons | 2287..2671 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7236 | Seq. ID | OJ990401_04.9922.C27 |
| Gene No. | 15262 | Strand | - |
| Start | 945 | End | 3891 |
| Name | OJ990401_04.9922.C27.o1.np | Method | AAT/NAP |
| Start | 945 | End | 3891 |
| GI | 5852180 | Score | 596 |
| Exons | 945..1361, 1413..1530, 2520..2567, 3814..3891 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7236 | Seq. ID | OJ990401_04.9922.C27 |
| Gene No. | 15262 | Strand | - |
| Start | 945 | End | 3891 |
| Name | OJ990401_04.9922.C27.o2.gs | Method | GENSCAN |
| Start | 1723 | End | 1854 |
| GI | none | Score | .43 |
| Exons | 1723..1854 | | |

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|---|---|---|---|
| Seq. No. | 7236 | Seq. ID | OJ990401_04.9922.C27 |
| Gene No. | 15262 | Strand | - |
| Start | 945 | End | 3891 |
| Name | OJ990401_04.9922.C27.o3.gs | Method | GENSCAN |
| Start | 3039 | End | 3239 |
| GI | none | Score | .63 |
| Exons | 3039..3239 | | |

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|---|---|---|---|
| Seq. No. | 7237 | Seq. ID | OJ990401_04.9922.C28 |
| Gene No. | 15263 | Strand | + |
| Start | 145 | End | 198 |
| Name | OJ990401_04.9922.C28.o1.gs | Method | GENSCAN |
| Start | 145 | End | 198 |
| GI | none | Score | .82 |
| Exons | 145..198 | | |

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|---|---|---|---|
| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15264 | Strand | + |
| Start | 1 | End | 827 |
| Name | OJ990401_04.9922.C30.o1.np | Method | AAT/NAP |
| Start | 1 | End | 827 |
| GI | 5902445 | Score | 941 |
| Exons | 1..31, 186..827 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15264 | Strand | + |
| Start | 1 | End | 827 |
| Name | OJ990401_04.9922.C30.o1.gs | Method | GENSCAN |
| Start | 208 | End | 710 |
| GI | none | Score | .59 |
| Exons | 208..710 | | |

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|---|---|---|---|
| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15265 | Strand | + |
| Start | 1709 | End | 3738 |
| Name | OJ990401_04.9922.C30.o3.np | Method | AAT/NAP |
| Start | 1709 | End | 3738 |
| GI | 81286 | Score | 88 |
| Exons | 1709..1805, 3015..3115, 3340..3738 | | |
| GI Descrip. | extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri] | | |

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|---|---|---|---|
| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15266 | Strand | - |
| Start | 1158 | End | 3599 |
| Name | OJ990401_04.9922.C30.o1.tw | Method | TBLASTX:Wheat |
| Start | 201 | End | 815 |
| GI | none | Score | 353 |
| Exons | 201..695, 203..292, 359..466, 681..815 | | |

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| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15266 | Strand | - |
| Start | 1158 | End | 3599 |
| Name | OJ990401_04.9922.C30.o1.tm | Method | TBLASTX:Maize |
| Start | 525 | End | 779 |
| GI | none | Score | 157 |
| Exons | 525..698, 572..697, 677..778, 678..779 | | |

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| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15266 | Strand | - |
| Start | 1158 | End | 3599 |
| Name | OJ990401_04.9922.C30.o2.gs | Method | GENSCAN |
| Start | 1158 | End | 3599 |
| GI | none | Score | .92 |
| Exons | 1158..1609, 1859..2048, 2123..2238, 2388..2522, 2565..2773, 2829..3098, 3502..3599 | | |

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|---|---|---|---|
| Seq. No. | 7238 | Seq. ID | OJ990401_04.9922.C30 |
| Gene No. | 15266 | Strand | - |
| Start | 1158 | End | 3599 |
| Name | OJ990401_04.9922.C30.o2.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1161 | End | 2994 |
| GI | 6691716 | Score | 1312 |
| Exons | 1161..1609, 1683..1798, 1948..2048, 2123..2310, 2388..2573, 2646..2746, 2829..2994 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7239 | Seq. ID | OJ990401_04.9922.C31 |
| Gene No. | 15267 | Strand | - |
| Start | 102 | End | 296 |
| Name | OJ990401_04.9922.C31.o1.gs | Method | GENSCAN |
| Start | 102 | End | 296 |
| GI | none | Score | .79 |
| Exons | 102..296 | | |

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|---|---|---|---|
| Seq. No. | 7240 | Seq. ID | OJ990401_04.9922.C32 |
| Gene No. | 15268 | Strand | - |
| Start | 1 | End | 1022 |
| Name | OJ990401_04.9922.C32.o1.np | Method | AAT/NAP |
| Start | 1 | End | 214 |
| GI | 5902448 | Score | 259 |
| Exons | 1..214 | | |
| GI Descrip. | (AB030283) orf3 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7240 | Seq. ID | OJ990401_04.9922.C32 |
| Gene No. | 15268 | Strand | - |
| Start | 1 | End | 1022 |
| Name | OJ990401_04.9922.C32.o1.gs | Method | GENSCAN |
| Start | 86 | End | 1022 |
| GI | none | Score | .59 |
| Exons | 86..253, 340..445, 952..1022 | | |

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| Seq. No. | 7241 | Seq. ID | OJ990401_04.9922.C33 |
| Gene No. | 15269 | Strand | - |
| Start | 50 | End | 298 |
| Name | OJ990401_04.9922.C33.o1.gs | Method | GENSCAN |
| Start | 50 | End | 298 |
| GI | none | Score | .66 |
| Exons | 50..298 | | |

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|---|---|---|---|
| Seq. No. | 7242 | Seq. ID | OJ990401_04.9922.C34 |
| Gene No. | 15270 | Strand | - |
| Start | 117 | End | 268 |
| Name | OJ990401_04.9922.C34.o1.gs | Method | GENSCAN |
| Start | 117 | End | 268 |
| GI | none | Score | .68 |
| Exons | 117..268 | | |

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|---|---|---|---|
| Seq. No. | 7243 | Seq. ID | OJ990401_04.9922.C35 |
| Gene No. | 15271 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990401_04.9922.C35.o1.np | Method | AAT/NAP |
| Start | 1 | End | 404 |
| GI | 6063554 | Score | 146 |
| Exons | 1..129, 232..404 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) | | |

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

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| Seq. No. | 7243 | Seq. ID | OJ990401_04.9922.C35 |
| Gene No. | 15271 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990401_04.9922.C35.o1.gp | Method | AAT/GAP |
| Start | 43 | End | 244 |
| GI | 2428185 | Score | 335 |
| Exons | 43..244 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 1153 |
| GI | 148_1.R1084 | Score | 838 |
| Exons | 1..119, 238..321, 418..491, 951..1153 | | |
| GI Descrip. | '5931625/dbj\|BAA84717.1\| 1.0e-106 (AB032761) rab5B [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 975 |
| GI | 5931625 | Score | 379 |
| Exons | 1..119, 238..321, 418..491, 951..975 | | |
| GI Descrip. | (AB032761) rab5B [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.tc | Method | TBLASTX:Cress |
| Start | 18 | End | 373 |
| GI | none | Score | 138 |
| Exons | 18..122, 22..120, 214..309, 217..309, 233..373 | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 21 | End | 1001 |
| GI | none | Score | 154 |
| Exons | 21..122, 22..120, 213..323, 214..309, 215..373, 228..323, 419..439, 448..495, 449..496, 948..1001, 949..999 | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 21 | End | 341 |
| GI | none | Score | 126 |
| Exons | 21..122, 22..120, 214..309, 215..334, 249..341 | | |

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|---|---|---|---|
| Seq. No. | 7244 | Seq. ID | OJ990421_07.9923.C1 |
| Gene No. | 15272 | Strand | - |
| Start | 1 | End | 1153 |
| Name | OJ990421_07.9923.C1.o1.gs | Method | GENSCAN |
| Start | 25 | End | 913 |
| GI | none | Score | .67 |
| Exons | 25..119, 238..321, 418..491, 856..913 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15273 | Strand | + |
| Start | 1126 | End | 1394 |
| Name | OJ990421_07.9923.C2.o1.gs | Method | GENSCAN |
| Start | 1126 | End | 1394 |
| GI | none | Score | .5 |
| Exons | 1126..1394 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15274 | Strand | + |
| Start | 5443 | End | 5741 |
| Name | OJ990421_07.9923.C2.o3.gs | Method | GENSCAN |
| Start | 5443 | End | 5741 |
| GI | none | Score | .5 |
| Exons | 5443..5501, 5555..5741 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15275 | Strand | + |
| Start | 6574 | End | 15826 |
| Name | OJ990421_07.9923.C2.o1.np | Method | AAT/NAP |
| Start | 6574 | End | 15826 |
| GI | 913227 | Score | 208 |
| Exons | 6574..6742, 8118..8164, 9944..10037, 10959..11018, 11128..11171, 11883..11945, 12034..12193, 12281..12336, 12510..12626, 15800..15826 | | |
| GI Descrip. | transcription factor XlDP-1 [Xenopus laevis, embryos, Peptide, 409 aa] | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15276 | Strand | - |
| Start | 6189 | End | 8004 |
| Name | OJ990421_07.9923.C2.o4.gs | Method | GENSCAN |
| Start | 6189 | End | 8004 |
| GI | none | Score | .91 |
| Exons | 6189..6772, 6895..6973, 7086..7348, 7482..7667, 7881..8004 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15276 | Strand | - |
| Start | 6189 | End | 8004 |
| Name | OJ990421_07.9923.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 6666 | End | 7560 |
| GI | none | Score | 104 |
| Exons | 6666..6791, 6666..6779, 6674..6790, 6893..6973, 6894..6974, 6896..6970, 7480..7560 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15276 | Strand | - |
| Start | 6189 | End | 8004 |
| Name | OJ990421_07.9923.C2.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 7287 | End | 7655 |
| GI | 5038563 | Score | 729 |
| Exons | 7287..7655 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15277 | Strand | |
| Start | 10261 | End | 14753 |
| Name | OJ990421_07.9923.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 10261 | End | 14388 |
| GI | none | Score | 68 |
| Exons | 10261..10326, 10939..11028, 10958..11017, 11118..11177, 11126..11173, 11877..11909, 11880..11942, 12030..12173, 12031..12192, 12031..12198, 12262..12360, 12267..12332, 12507..12608, 12509..12604, 12695..12775, 12698..12775, 12705..12776, 12705..12776, 14323..14388 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15277 | Strand | |
| Start | 10261 | End | 14753 |
| Name | OJ990421_07.9923.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 12036 | End | 14753 |
| GI | none | Score | 151 |
| Exons | 12036..12173, 12036..12173, 12037..12180, 12037..12225, 12262..12360, 12266..12409, 12267..12335, 12500..12607, 12507..12608, 12507..12608, 12508..12609, 12698..12775, 12701..12775, 12705..12776, 14301..14576, 14323..14580, 14325..14642, 14327..14614, 14705..14752, 14706..14753 | | |

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|---|---|---|---|
| Seq. No. | 7245 | Seq. ID | OJ990421_07.9923.C2 |
| Gene No. | 15277 | Strand | |
| Start | 10261 | End | 14753 |
| Name | OJ990421_07.9923.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 12064 | End | 14388 |
| GI | none | Score | 179 |
| Exons | 12064..12192, 12070..12171, 12262..12360, 12479..12604, 12507..12608, 12507..12608, 12509..12634, 12698..12775, 12704..12775, 14323..14388 | | |

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|---|---|---|---|
| Seq. No. | 7246 | Seq. ID | OJ990421_07.9923.C4 |
| Gene No. | 15278 | Strand | + |
| Start | 330 | End | 492 |
| Name | OJ990421_07.9923.C4.o1.gs | Method | GENSCAN |
| Start | 330 | End | 492 |
| GI | none | Score | .43 |
| Exons | 330..363, 410..492 | | |

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|---|---|---|---|
| Seq. No. | 7247 | Seq. ID | OJ990421_07.9923.C5 |
| Gene No. | 15279 | Strand | + |
| Start | 1 | End | 722 |
| Name | OJ990421_07.9923.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 722 |
| GI | 5441880 | Score | 216 |
| Exons | 1..361, 460..722 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7247 | Seq. ID | OJ990421_07.9923.C5 |
| Gene No. | 15279 | Strand | + |
| Start | 1 | End | 722 |
| Name | OJ990421_07.9923.C5.o1.gs | Method | GENSCAN |
| Start | 97 | End | 713 |
| GI | none | Score | .58 |
| Exons | 97..353, 446..713 | | |

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|---|---|---|---|
| Seq. No. | 7248 | Seq. ID | OJ990421_07.9923.C6 |
| Gene No. | 15280 | Strand | - |
| Start | 502 | End | 771 |
| Name | OJ990421_07.9923.C6.o1.gs | Method | GENSCAN |
| Start | 502 | End | 771 |
| GI | none | Score | .4 |
| Exons | 502..555, 613..771 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15281 | Strand | + |
| Start | 1 | End | 4150 |
| Name | OJ990421_07.9923.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4150 |
| GI | 4206306 | Score | 1355 |
| Exons | 1..1468, 4075..4150 | | |
| GI Descrip. | (AF049110) prpol [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15281 | Strand | + |
| Start | 1 | End | 4150 |
| Name | OJ990421_07.9923.C7.o1.gs | Method | GENSCAN |
| Start | 58 | End | 1490 |
| GI | none | Score | .55 |
| Exons | 58..299, 503..689, 931..1490 | | |

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| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 108 | End | 547 |
| GI | none | Score | 175 |
| Exons | 108..344, 341..547, 346..546 | | |

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| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 287 | End | 577 |
| GI | none | Score | 69 |
| Exons | 287..343, 288..344, 337..576, 341..577 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 605 | End | 965 |
| GI | none | Score | 241 |
| Exons | 605..844, 646..837, 848..955, 848..952, 849..965 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 662 | End | 1061 |
| GI | none | Score | 200 |
| Exons | 662..844, 667..837, 849..1061, 854..952 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 740 | End | 1073 |
| GI | none | Score | 126 |
| Exons | 740..835, 745..837, 822..1073 | | |

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| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 1136 | End | 1376 |
| GI | none | Score | 216 |
| Exons | 1136..1279, 1143..1376 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o2.gs | Method | GENSCAN |
| Start | 1731 | End | 6415 |
| GI | none | Score | .64 |
| Exons | 1731..2452, 2563..2860, 4971..5103, 5189..5305, 5399..5533, 5571..5836, 6269..6415 | | |

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|---|---|---|---|
| Seq. No. | 7249 | Seq. ID | OJ990421_07.9923.C7 |
| Gene No. | 15282 | Strand | - |
| Start | 1731 | End | 6625 |
| Name | OJ990421_07.9923.C7.o2.np | Method | AAT/NAP |
| Start | 5022 | End | 6625 |
| GI | 6523547 | Score | 407 |
| Exons | 5022..5305, 5589..6028, 6061..6625 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1347 |
| GI | 6635256 | Score | 159 |
| Exons | 1..99, 909..1347 | | |
| GI Descrip. | (AB036339) tRNA intron endonuclease [Arabidopsis thaliana] gi\|6635258\|dbj\|BAA88628.1\| (AB036340) tRNA intron endonuclease [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |

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|---|---|---|---|
| Name | OJ990421_07.9923.C8.o1.gs | Method | GENSCAN |
| Start | 454 | End | 3933 |
| GI | none | Score | .46 |
| Exons | 454..478, 836..1383, 1893..2332, 2421..2649, 2765..2930, 3050..3118, 3594..3740, 3854..3933 | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 940 | End | 1400 |
| GI | none | Score | 262 |
| Exons | 940..1356, 941..1357, 1208..1360, 1221..1400, 1222..1362 | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 1798 | End | 8870 |
| GI | none | Score | 211 |
| Exons | 1798..1998, 1801..1950, 1803..1997, 1953..2069, 1962..2120, 1969..2070, 2070..2198, 2110..2196, 2199..2228, 4671..4868, 4672..4809, 4674..4868, 4902..4991, 4914..4940, 4944..5069, 4945..5073, 8478..8690, 8488..8643, 8496..8678, 8745..8870, 8745..8837 | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.np | Method | AAT/NAP |
| Start | 1800 | End | 10199 |
| GI | 3426064 | Score | 867 |
| Exons | 1800..2011, 8669..9006, 9107..9330, 9415..9616, 9854..10026, 10120..10199 | | |
| GI Descrip. | (AJ007588) monooxygenase [Arabidopsis thaliana] gi\|4467141\|emb\|CAB37510\| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 1806 | End | 10029 |
| GI | none | Score | 80 |
| Exons | 1806..2015, 1861..1980, 2031..2264, 2041..2214, 2440..2667, 2450..2650, 2762..2932, 2763..2921, 2786..2923, 3608..3742, 3633..3743, 4671..4880, 4872..5138, 4930..5064, 5158..5232, 5329..5541, 5330..5551, 5612..5773, 6590..6766, 6657..6767, 8487..8684, 8491..8640, 8739..8837, 9079..9333, 9122..9331, 9412..9570, 9873..10028, 9919..10029 | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.ts | Method | TBLASTX:Soybean |
| Start | 1806 | End | 8837 |
| GI | none | Score | 75 |

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|---|---|---|---|
| Exons | 1806..1916, 2016..2237, 2110..2208, 4668..4781, 4875..5108, 4927..5109, 8487..8594, 8739..8837 | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 2428 | End | 9456 |
| GI | none | Score | 170 |
| Exons | 2428..2667, 2432..2650, 2762..2806, 5317..5541, 5330..5422, 5441..5545, 5612..5656, 9109..9333, 9113..9214, 9233..9331, 9412..9456 | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o4.tm | Method | TBLASTX:Maize |
| Start | 2449 | End | 9342 |
| GI | none | Score | 152 |
| Exons | 2449..2652, 2450..2650, 2479..2652, 2532..2690, 5331..5456, 5333..5539, 5335..5541, 9088..9342, 9125..9331 | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.gp | Method | AAT/GAP |
| Start | 2467 | End | 4003 |
| GI | 4715556 | Score | 1291 |
| Exons | 2467..2649, 2765..2930, 3050..3118, 3594..3740, 3854..4003 | | |
| GI Descrip. | 3426064/emb\|CAA07575.1\| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 2585 | End | 9583 |
| GI | none | Score | 91 |
| Exons | 2585..2650, 2587..2652, 2587..2649, 2757..2933, 2762..2932, 5476..5538, 5477..5539, 5612..5785, 5613..5783, 9268..9330, 9269..9364, 9412..9579, 9413..9583 | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 3039 | End | 10163 |
| GI | none | Score | 55 |
| Exons | 3039..3119, 3050..3121, 3052..3111, 3059..3121, 3593..3742, 3630..3743, 3715..3747, 6584..6766, 6642..6767, 6651..6767, 6847..6906, 9731..9808, 9735..9800, 9855..10028, 9904..10029, 10119..10163 | | |
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |

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|---|---|---|---|
| Name | OJ990421_07.9923.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 3577 | End | 10029 |
| GI | none | Score | 87 |
| Exons | 3577..3663, 3578..3655, 3581..3742, 3582..3743, 3715..3762, 6599..6766, 6617..6766, 6645..6800, 6651..6767, 6847..6906, 9891..10028, 9907..10029 | | |

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| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.gs | Method | GENSCAN |
| Start | 4650 | End | 6933 |
| GI | none | Score | .94 |
| Exons | 4650..5203, 5310..5538, 5615..5780, 5863..5931, 6618..6764, 6848..6933 | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o2.gp | Method | AAT/GAP |
| Start | 4742 | End | 5098 |
| GI | 71705_1.R1084 | Score | 673 |
| Exons | 4742..5098 | | |
| GI Descrip. | '3426064/emb\|CAA07575.1\| 1.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o3.gp | Method | AAT/GAP |
| Start | 5641 | End | 6989 |
| GI | 25992_1.R1084 | Score | 899 |
| Exons | 5641..5780, 5863..5931, 6618..6764, 6848..6989 | | |
| GI Descrip. | '3426064/emb\|CAA07575.1\| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7250 | Seq. ID | OJ990421_07.9923.C8 |
| Gene No. | 15283 | Strand | - |
| Start | 1 | End | 10205 |
| Name | OJ990421_07.9923.C8.o3.gs | Method | GENSCAN |
| Start | 8484 | End | 10205 |
| GI | none | Score | .8 |
| Exons | 8484..9010, 9102..9330, 9415..9580, 9729..9797, 9850..10026, 10120..10205 | | |

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| Seq. No. | 7251 | Seq. ID | OJ990421_07.9923.C9 |
| Gene No. | 15284 | Strand | - |
| Start | 1 | End | 1038 |
| Name | OJ990421_07.9923.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1038 |
| GI | 6006359 | Score | 70 |
| Exons | 1..37, 662..781, 993..1038 | | |
| GI Descrip. | (AP000559) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7251 | Seq. ID | OJ990421_07.9923.C9 |

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|---|---|---|---|
| Gene No. | 15284 | Strand | - |
| Start | 1 | End | 1038 |
| Name | OJ990421_07.9923.C9.o1.gs | Method | GENSCAN |
| Start | 603 | End | 833 |
| GI | none | Score | .44 |
| Exons | 603..833 | | |

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| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15285 | Strand | + |
| Start | 134 | End | 1446 |
| Name | OJ990421_07.9923.C10.o1.gs | Method | GENSCAN |
| Start | 134 | End | 1446 |
| GI | none | Score | .63 |
| Exons | 134..555, 747..871, 935..1067, 1263..1309, 1355..1446 | | |

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|---|---|---|---|
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15286 | Strand | - |
| Start | 2655 | End | 3290 |
| Name | OJ990421_07.9923.C10.o2.gs | Method | GENSCAN |
| Start | 2655 | End | 3290 |
| GI | none | Score | .95 |
| Exons | 2655..3290 | | |

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|---|---|---|---|
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 3830 | End | 4195 |
| GI | none | Score | 115 |
| Exons | 3830..4150, 3840..4013, 3848..4030, 4100..4195, 4100..4192 | | |

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|---|---|---|---|
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o1.np | Method | AAT/NAP |
| Start | 3833 | End | 6860 |
| GI | 3426064 | Score | 793 |
| Exons | 3833..4353, 4446..4674, 4752..4977, 6424..6570, 6781..6860 | | |
| GI Descrip. | (AJ007588) monooxygenase [Arabidopsis thaliana] gi\|4467141\|emb\|CAB37510\| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o3.gs | Method | GENSCAN |
| Start | 3836 | End | 6881 |
| GI | none | Score | .9 |
| Exons | 3836..4353, 4446..4674, 4752..4950, 5006..5074, 6424..6570, 6781..6881 | | |

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|---|---|---|---|
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 3839 | End | 6852 |
| GI | none | Score | 69 |

| | | | |
|---|---|---|---|
| Exons | 3839..4036, 3843..4010, 4013..4192, 4137..4193, 4450..4683, 4466..4681, 4749..4907, 6426..6572, 6463..6573, 6772..6852 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 3839 | End | 4268 |
| GI | none | Score | 69 |
| Exons | 3839..3925, 4019..4192, 4134..4268 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 4453 | End | 4793 |
| GI | none | Score | 111 |
| Exons | 4453..4683, 4457..4558, 4462..4677, 4577..4681, 4749..4793 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 4469 | End | 4704 |
| GI | none | Score | 143 |
| Exons | 4469..4675, 4471..4704 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 4612 | End | 4920 |
| GI | none | Score | 71 |
| Exons | 4612..4683, 4613..4714, 4749..4916, 4750..4920 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 5008 | End | 6834 |
| GI | none | Score | 151 |
| Exons | 5008..5082, 6435..6572, 6448..6573, 6781..6834 | | |
| Seq. No. | 7252 | Seq. ID | OJ990421_07.9923.C10 |
| Gene No. | 15287 | Strand | - |
| Start | 3836 | End | 6881 |
| Name | OJ990421_07.9923.C10.o3.tm | Method | TBLASTX:Maize |
| Start | 6435 | End | 6846 |
| GI | none | Score | 147 |
| Exons | 6435..6572, 6451..6573, 6781..6846 | | |
| Seq. No. | 7253 | Seq. ID | OJ990421_07.9923.C11 |
| Gene No. | 15288 | Strand | + |
| Start | 786 | End | 1034 |
| Name | OJ990421_07.9923.C11.o1.gs | Method | GENSCAN |
| Start | 786 | End | 1034 |
| GI | none | Score | .55 |

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|---|---|---|---|
| Exons | 786..1034 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15289 | Strand | + |
| Start | 4414 | End | 6694 |
| Name | OJ990421_07.9923.C12.o2.gs | Method | GENSCAN |
| Start | 4414 | End | 6669 |
| GI | none | Score | .66 |
| Exons | 4414..6017, 6065..6132, 6157..6669 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15289 | Strand | + |
| Start | 4414 | End | 6694 |
| Name | OJ990421_07.9923.C12.o1.np | Method | AAT/NAP |
| Start | 4453 | End | 6694 |
| GI | 6850900 | Score | 1349 |
| Exons | 4453..5029, 5072..5420, 5490..6694 | | |
| GI Descrip. | (AL137898) copia-type polyprotein [Arabidopsis thaliana] | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15290 | Strand | - |
| Start | 3247 | End | 4070 |
| Name | OJ990421_07.9923.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 3241 | End | 3606 |
| GI | none | Score | 112 |
| Exons | 3241..3561, 3251..3424, 3259..3441, 3511..3606, 3511..3588 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15290 | Strand | - |
| Start | 3247 | End | 4070 |
| Name | OJ990421_07.9923.C12.o1.gs | Method | GENSCAN |
| Start | 3247 | End | 4070 |
| GI | none | Score | .97 |
| Exons | 3247..3764, 3846..3981, 4035..4070 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15290 | Strand | - |
| Start | 3247 | End | 4070 |
| Name | OJ990421_07.9923.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 3250 | End | 3604 |
| GI | none | Score | 62 |
| Exons | 3250..3447, 3424..3603, 3548..3604 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15290 | Strand | - |
| Start | 3247 | End | 4070 |
| Name | OJ990421_07.9923.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 3250 | End | 3679 |
| GI | none | Score | 58 |
| Exons | 3250..3336, 3430..3603, 3545..3679 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15291 | Strand | |
| Start | 4316 | End | 5097 |
| Name | OJ990421_07.9923.C12.o5.tm | Method | TBLASTX:Maize |
| Start | 4316 | End | 4694 |
| GI | none | Score | 47 |

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|---|---|---|---|
| Exons | 4316..4426, 4358..4384, 4456..4692, 4482..4694 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15291 | Strand | |
| Start | 4316 | End | 5097 |
| Name | OJ990421_07.9923.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 4588 | End | 4983 |
| GI | none | Score | 232 |
| Exons | 4588..4983, 4690..4926 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15291 | Strand | |
| Start | 4316 | End | 5097 |
| Name | OJ990421_07.9923.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 4708 | End | 5097 |
| GI | none | Score | 197 |
| Exons | 4708..4911, 4713..4907, 4923..4979, 4924..5034, 5014..5097 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15292 | Strand | |
| Start | 5514 | End | 5964 |
| Name | OJ990421_07.9923.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 5514 | End | 5925 |
| GI | none | Score | 188 |
| Exons | 5514..5690, 5515..5733, 5794..5925 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15292 | Strand | |
| Start | 5514 | End | 5964 |
| Name | OJ990421_07.9923.C12.o3.tw | Method | TBLASTX:Wheat |
| Start | 5535 | End | 5964 |
| GI | none | Score | 169 |
| Exons | 5535..5738, 5536..5781, 5797..5904, 5905..5964 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15293 | Strand | |
| Start | 5973 | End | 6692 |
| Name | OJ990421_07.9923.C12.o3.ts | Method | TBLASTX:Soybean |
| Start | 5973 | End | 6257 |
| GI | none | Score | 184 |
| Exons | 5973..6257 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15293 | Strand | |
| Start | 5973 | End | 6692 |
| Name | OJ990421_07.9923.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 6078 | End | 6623 |
| GI | none | Score | 338 |
| Exons | 6078..6524, 6278..6517, 6528..6623 | | |
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15293 | Strand | |
| Start | 5973 | End | 6692 |
| Name | OJ990421_07.9923.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 6270 | End | 6692 |
| GI | none | Score | 384 |
| Exons | 6270..6611, 6278..6601, 6624..6692 | | |

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|---|---|---|---|
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15293 | Strand | |
| Start | 5973 | End | 6692 |
| Name | OJ990421_07.9923.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 6297 | End | 6689 |
| GI | none | Score | 345 |
| Exons | 6297..6689, 6305..6598 | | |

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|---|---|---|---|
| Seq. No. | 7254 | Seq. ID | OJ990421_07.9923.C12 |
| Gene No. | 15293 | Strand | |
| Start | 5973 | End | 6692 |
| Name | OJ990421_07.9923.C12.o2.tc | Method | TBLASTX:Cress |
| Start | 6312 | End | 6689 |
| GI | none | Score | 234 |
| Exons | 6312..6689, 6314..6397, 6422..6595 | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15294 | Strand | + |
| Start | 1 | End | 1544 |
| Name | OJ990421_07.9923.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1544 |
| GI | 5295971 | Score | 1488 |
| Exons | 1..1544 | | |
| GI Descrip. | (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15294 | Strand | + |
| Start | 1 | End | 1544 |
| Name | OJ990421_07.9923.C13.o1.gs | Method | GENSCAN |
| Start | 45 | End | 1538 |
| GI | none | Score | .5 |
| Exons | 45..1538 | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15295 | Strand | + |
| Start | 7849 | End | 11262 |
| Name | OJ990421_07.9923.C13.o3.np | Method | AAT/NAP |
| Start | 7849 | End | 11262 |
| GI | 3757522 | Score | 404 |
| Exons | 7849..8037, 8071..8362, 9982..10031, 10127..10183, 10376..10444, 11235..11262 | | |
| GI Descrip. | (AC005167) putative splicing factor [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.np | Method | AAT/NAP |
| Start | 1 | End | 4412 |
| GI | 3426062 | Score | 240 |
| Exons | 1..43, 2046..2176, 3043..3212, 4000..4192, 4342..4412 | | |
| GI Descrip. | (AJ007587) monooxygenase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |

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|---|---|---|---|
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 9 | End | 497 |
| GI | 5509260 | Score | 362 |
| Exons | 9..497, 74..247, 332..469 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 27 | End | 341 |
| GI | none | Score | 318 |
| Exons | 27..341, 45..326 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.tc | Method | TBLASTX:Cress |
| Start | 116 | End | 380 |
| GI | none | Score | 224 |
| Exons | 116..247, 117..380 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 161 | End | 716 |
| GI | none | Score | 253 |
| Exons | 161..247, 162..506, 162..509, 492..716 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 543 | End | 806 |
| GI | none | Score | 245 |
| Exons | 543..806, 543..785, 545..805 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 810 | End | 1262 |
| GI | none | Score | 425 |
| Exons | 810..1262, 845..1189, 1062..1241 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 848 | End | 1511 |
| GI | none | Score | 274 |
| Exons | 848..1117, 849..1142, 1146..1262, 1260..1511, 1302..1454, 1313..1459 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |

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|---|---|---|---|
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 870 | End | 1520 |
| GI | none | Score | 151 |
| Exons | 870..1031, 899..1036, 1044..1520, 1331..1459 | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 1038 | End | 1481 |
| GI | none | Score | 146 |
| Exons | 1038..1265, 1287..1481, 1313..1480 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o5.tm | Method | TBLASTX:Maize |
| Start | 1268 | End | 1487 |
| GI | none | Score | 186 |
| Exons | 1268..1459, 1269..1487 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o2.gs | Method | GENSCAN |
| Start | 1824 | End | 2210 |
| GI | none | Score | .87 |
| Exons | 1824..2210 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 2009 | End | 2185 |
| GI | none | Score | 60 |
| Exons | 2009..2185, 2010..2060, 2079..2177 | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o4.tm | Method | TBLASTX:Maize |
| Start | 2009 | End | 2185 |
| GI | none | Score | 111 |
| Exons | 2009..2185, 2010..2177 | | |

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|---|---|---|---|
| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 2113 | End | 3211 |
| GI | none | Score | 81 |
| Exons | 2113..2163, 2114..2185, 2115..2177, 3040..3207, 3041..3211 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |

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| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o4.tw | Method | TBLASTX:Wheat |
| Start | 3287 | End | 4195 |
| GI | none | Score | 157 |
| Exons | 3287..3355, 4057..4194, 4070..4195 | | |

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| Seq. No. | 7255 | Seq. ID | OJ990421_07.9923.C13 |
| Gene No. | 15296 | Strand | - |
| Start | 1 | End | 4412 |
| Name | OJ990421_07.9923.C13.o6.tm | Method | TBLASTX:Maize |
| Start | 4057 | End | 4195 |
| GI | none | Score | 162 |
| Exons | 4057..4194, 4073..4195 | | |

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|---|---|---|---|
| Seq. No. | 7256 | Seq. ID | OJ990421_07.9923.C15 |
| Gene No. | 15297 | Strand | + |
| Start | 134 | End | 706 |
| Name | OJ990421_07.9923.C15.o1.np | Method | AAT/NAP |
| Start | 134 | End | 706 |
| GI | 5541717 | Score | 196 |
| Exons | 134..263, 597..706 | | |
| GI Descrip. | (AL049655) kinesin-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7256 | Seq. ID | OJ990421_07.9923.C15 |
| Gene No. | 15297 | Strand | + |
| Start | 134 | End | 706 |
| Name | OJ990421_07.9923.C15.o1.gs | Method | GENSCAN |
| Start | 138 | End | 263 |
| GI | none | Score | .44 |
| Exons | 138..263 | | |

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|---|---|---|---|
| Seq. No. | 7257 | Seq. ID | OJ990421_07.9923.C18 |
| Gene No. | 15298 | Strand | + |
| Start | 1 | End | 593 |
| Name | OJ990421_07.9923.C18.o1.np | Method | AAT/NAP |
| Start | 1 | End | 593 |
| GI | 119702 | Score | 152 |
| Exons | 1..153, 523..593 | | |
| GI Descrip. | EXONUCLEASE gi\|75977\|pir\|\|NDBPXL exonuclease (EC 3.1.-.-) - phage lambda gi\|215137 (J02459) exonuclease [Bacteriophage lambda] | | |

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|---|---|---|---|
| Seq. No. | 7257 | Seq. ID | OJ990421_07.9923.C18 |
| Gene No. | 15299 | Strand | - |
| Start | 197 | End | 593 |
| Name | OJ990421_07.9923.C18.o2.np | Method | AAT/NAP |
| Start | 185 | End | 593 |
| GI | 137511 | Score | 258 |
| Exons | 185..593 | | |
| GI Descrip. | RECOMBINATION PROTEIN BET gi\|75978\|pir\|\|QBBPL recombination protein bet - phage lambda gi\|215138 (J02459) bet (recombination;261) [Bacteriophage lambda] | | |

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|---|---|---|---|
| Seq. No. | 7257 | Seq. ID | OJ990421_07.9923.C18 |
| Gene No. | 15299 | Strand | - |
| Start | 197 | End | 593 |
| Name | OJ990421_07.9923.C18.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 197 | End | 526 |
| GI | none | Score | .98 |
| Exons | 197..526 | | |

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| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15300 | Strand | + |
| Start | 1111 | End | 2674 |
| Name | OJ990421_07.9923.C20.o1.gs | Method | GENSCAN |
| Start | 1111 | End | 2674 |
| GI | none | Score | .89 |
| Exons | 1111..1326, 1472..2674 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15300 | Strand | + |
| Start | 1111 | End | 2674 |
| Name | OJ990421_07.9923.C20.o1.np | Method | AAT/NAP |
| Start | 1123 | End | 2161 |
| GI | 4538930 | Score | 563 |
| Exons | 1123..1336, 1413..2161 | | |
| GI Descrip. | (AL049483) putative peroxidase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 1188 | End | 2248 |
| GI | none | Score | 156 |
| Exons | 1188..1343, 1198..1326, 1426..1890, 1429..1539, 1430..1891, 1895..2248, 1952..2230, 1972..2241 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o1.ts | Method | TBLASTX:Soybean |
| Start | 1198 | End | 2158 |
| GI | none | Score | 100 |
| Exons | 1198..1326, 1430..1495, 1502..1693, 1769..1813, 1892..2158 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o1.tc | Method | TBLASTX:Cress |
| Start | 1282 | End | 2161 |
| GI | none | Score | 48 |
| Exons | 1282..1320, 1429..1671, 1430..1675, 1691..1813, 1696..1806, 1913..2161 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o1.tw | Method | TBLASTX:Wheat |
| Start | 1535 | End | 1885 |
| GI | none | Score | 214 |
| Exons | 1535..1690, 1555..1689, 1670..1885, 1678..1884 | | |

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| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |

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|---|---|---|---|
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o2.gs | Method | GENSCAN |
| Start | 3630 | End | 9567 |
| GI | none | Score | .63 |
| Exons | 3630..4040, 5516..5647, 6001..6103, 6242..6309, 7041..7183, 7521..7713, 9088..9567 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o2.np | Method | AAT/NAP |
| Start | 5495 | End | 9612 |
| GI | 1663724 | Score | 717 |
| Exons | 5495..5611, 6001..6103, 6242..6309, 7041..7183, 7521..7713, 9088..9612 | | |
| GI Descrip. | (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o2.ts | Method | TBLASTX:Soybean |
| Start | 5504 | End | 9597 |
| GI | none | Score | 65 |
| Exons | 5504..5614, 5514..5612, 5541..5615, 5998..6096, 5999..6097, 7038..7142, 7519..7641, 7675..7725, 9088..9402, 9107..9328, 9455..9571, 9460..9597 | | |

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|---|---|---|---|
| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o2.tc | Method | TBLASTX:Cress |
| Start | 5513 | End | 9543 |
| GI | none | Score | 81 |
| Exons | 5513..5614, 5998..6087, 5999..6097, 7038..7136, 7038..7175, 7519..7683, 7675..7722, 9088..9402, 9107..9328, 9448..9543 | | |

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| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o3.tm | Method | TBLASTX:Maize |
| Start | 7119 | End | 9306 |
| GI | none | Score | 111 |
| Exons | 7119..7184, 7119..7184, 7120..7185, 7496..7714, 7519..7725, 7522..7716, 9086..9304, 9088..9306, 9107..9304 | | |

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| Seq. No. | 7258 | Seq. ID | OJ990421_07.9923.C20 |
| Gene No. | 15301 | Strand | - |
| Start | 3630 | End | 9612 |
| Name | OJ990421_07.9923.C20.o2.tm | Method | TBLASTX:Maize |
| Start | 9307 | End | 9610 |
| GI | none | Score | 329 |
| Exons | 9307..9609, 9326..9610 | | |

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|---|---|---|---|
| Seq. No. | 7259 | Seq. ID | OJ990421_07.9923.C21 |
| Gene No. | 15302 | Strand | + |
| Start | 1505 | End | 2236 |
| Name | OJ990421_07.9923.C21.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1505 | End | 2236 |
| GI | 5441880 | Score | 411 |
| Exons | 1505..2236 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7260 | Seq. ID | OJ990421_07.9923.C22 |
| Gene No. | 15303 | Strand | + |
| Start | 1 | End | 4272 |
| Name | OJ990421_07.9923.C22.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3722 |
| GI | 5441880 | Score | 592 |
| Exons | 1..380, 822..871, 1133..2191, 2290..2510, 2813..3069, 3478..3722 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7260 | Seq. ID | OJ990421_07.9923.C22 |
| Gene No. | 15303 | Strand | + |
| Start | 1 | End | 4272 |
| Name | OJ990421_07.9923.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 523 |
| GI | none | Score | 77 |
| Exons | 2..94, 19..63, 94..399, 95..403, 443..523, 445..471 | | |

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|---|---|---|---|
| Seq. No. | 7260 | Seq. ID | OJ990421_07.9923.C22 |
| Gene No. | 15303 | Strand | + |
| Start | 1 | End | 4272 |
| Name | OJ990421_07.9923.C22.o1.gs | Method | GENSCAN |
| Start | 38 | End | 4272 |
| GI | none | Score | .65 |
| Exons | 38..327, 490..1510, 1927..2183, 2276..2543, 2813..3175, 3212..3332, 3430..3597, 4139..4272 | | |

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|---|---|---|---|
| Seq. No. | 7260 | Seq. ID | OJ990421_07.9923.C22 |
| Gene No. | 15303 | Strand | + |
| Start | 1 | End | 4272 |
| Name | OJ990421_07.9923.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 232 | End | 619 |
| GI | none | Score | 197 |
| Exons | 232..381, 233..409, 233..382, 422..619, 430..477, 434..523, 459..542 | | |

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|---|---|---|---|
| Seq. No. | 7261 | Seq. ID | OJ990421_07.9923.C23 |
| Gene No. | 15304 | Strand | + |
| Start | 5479 | End | 6783 |
| Name | OJ990421_07.9923.C23.o2.gs | Method | GENSCAN |
| Start | 5479 | End | 6782 |
| GI | none | Score | .9 |
| Exons | 5479..6028, 6158..6237, 6499..6599, 6716..6782 | | |

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|---|---|---|---|
| Seq. No. | 7261 | Seq. ID | OJ990421_07.9923.C23 |
| Gene No. | 15304 | Strand | + |
| Start | 5479 | End | 6783 |
| Name | OJ990421_07.9923.C23.o1.np | Method | AAT/NAP |
| Start | 5491 | End | 6783 |

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|---|---|---|---|
| GI | 3402689 | Score | 410 |
| Exons | 5491..6028, 6158..6237, 6499..6599, 6716..6783 | | |
| GI Descrip. | (AC004697) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7261 | Seq. ID | OJ990421_07.9923.C23 |
| Gene No. | 15305 | Strand | - |
| Start | 18 | End | 4077 |
| Name | OJ990421_07.9923.C23.o1.gs | Method | GENSCAN |
| Start | 18 | End | 4077 |
| GI | none | Score | .8 |
| Exons | 18..173, 2132..2233, 3476..3576, 3849..4077 | | |

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|---|---|---|---|
| Seq. No. | 7261 | Seq. ID | OJ990421_07.9923.C23 |
| Gene No. | 15305 | Strand | - |
| Start | 18 | End | 4077 |
| Name | OJ990421_07.9923.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 1524 | End | 2444 |
| GI | none | Score | 274 |
| Exons | 1524..1703, 1525..1701, 1566..1742, 2120..2236, 2129..2233, 2306..2425, 2306..2425, 2307..2444 | | |

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| Seq. No. | 7262 | Seq. ID | OJ990421_07.9923.C24 |
| Gene No. | 15306 | Strand | + |
| Start | 1 | End | 427 |
| Name | OJ990421_07.9923.C24.o1.np | Method | AAT/NAP |
| Start | 1 | End | 427 |
| GI | 3402689 | Score | 194 |
| Exons | 1..85, 199..292, 378..427 | | |
| GI Descrip. | (AC004697) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7262 | Seq. ID | OJ990421_07.9923.C24 |
| Gene No. | 15307 | Strand | + |
| Start | 378 | End | 947 |
| Name | OJ990421_07.9923.C24.o1.tc | Method | TBLASTX:Cress |
| Start | 38 | End | 941 |
| GI | none | Score | 58 |
| Exons | 38..85, 199..300, 201..299, 223..300, 365..427, 376..429, 797..913, 798..941 | | |

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|---|---|---|---|
| Seq. No. | 7262 | Seq. ID | OJ990421_07.9923.C24 |
| Gene No. | 15307 | Strand | + |
| Start | 378 | End | 947 |
| Name | OJ990421_07.9923.C24.o1.gs | Method | GENSCAN |
| Start | 378 | End | 947 |
| GI | none | Score | .73 |
| Exons | 378..426, 797..947 | | |

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|---|---|---|---|
| Seq. No. | 7263 | Seq. ID | OJ990421_07.9923.C25 |
| Gene No. | 15308 | Strand | + |
| Start | 259 | End | 2302 |
| Name | OJ990421_07.9923.C25.o1.np | Method | AAT/NAP |
| Start | 259 | End | 2124 |
| GI | 3402691 | Score | 128 |
| Exons | 259..345, 663..719, 1532..1587, 2067..2124 | | |
| GI Descrip. | (AC004697) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7263 | Seq. ID | OJ990421_07.9923.C25 |

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|---|---|---|---|
| Gene No. | 15308 | Strand | + |
| Start | 259 | End | 2302 |
| Name | OJ990421_07.9923.C25.o1.gs | Method | GENSCAN |
| Start | 663 | End | 2302 |
| GI | none | Score | .55 |
| Exons | 663..719, 1532..1587, 2194..2302 | | |

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| Seq. No. | 7263 | Seq. ID | OJ990421_07.9923.C25 |
| Gene No. | 15309 | Strand | + |
| Start | 2359 | End | 2588 |
| Name | OJ990421_07.9923.C25.o1.gp | Method | AAT/GAP |
| Start | 2359 | End | 2588 |
| GI | 5005358 | Score | 392 |
| Exons | 2359..2588 | | |

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|---|---|---|---|
| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15310 | Strand | + |
| Start | 693 | End | 5099 |
| Name | OJ990421_07.9923.C26.o1.gs | Method | GENSCAN |
| Start | 693 | End | 5099 |
| GI | none | Score | .65 |
| Exons | 693..969, 1214..1291, 1365..2022, 2479..2624, 2790..2938, 3154..3308, 3648..3853, 3939..4072, 4154..4455, 4685..4788, 5029..5099 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15310 | Strand | + |
| Start | 693 | End | 5099 |
| Name | OJ990421_07.9923.C26.o1.gp | Method | AAT/GAP |
| Start | 3155 | End | 3867 |
| GI | none | Score | 668 |
| Exons | 3155..3308, 3648..3867 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15310 | Strand | + |
| Start | 693 | End | 5099 |
| Name | OJ990421_07.9923.C26.o2.gp | Method | AAT/GAP |
| Start | 4037 | End | 4765 |
| GI | 28299_1.R1084 | Score | 783 |
| Exons | 4037..4072, 4154..4457, 4686..4765 | | |
| GI Descrip. | '1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence' | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o2.tm | Method | TBLASTX:Maize |
| Start | 936 | End | 1876 |
| GI | none | Score | 58 |
| Exons | 936..980, 938..988, 1213..1287, 1214..1288, 1215..1295, 1219..1290, 1379..1582, 1379..1516, 1381..1518, 1643..1696, 1683..1871, 1694..1876, 1694..1870, 1816..1875 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o4.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 1877 | End | 2560 |
| GI | none | Score | 207 |
| Exons | 1877..2056, 1911..2054, 1957..2055, 2473..2556, 2474..2560, 2474..2557 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o3.tm | Method | TBLASTX:Maize |
| Start | 2946 | End | 3073 |
| GI | none | Score | 209 |
| Exons | 2946..3062, 2947..3063, 2948..3073, 2960..3064 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o1.tm | Method | TBLASTX:Maize |
| Start | 3130 | End | 5166 |
| GI | none | Score | 229 |
| Exons | 3130..3309, 3174..3308, 3636..3851, 3645..3788, 3646..3852, 3646..3852, 3816..3854, 3838..4071, 3911..4084, 3936..4070, 3937..4071, 3938..4075, 4151..4414, 4159..4362, 4170..4382, 4367..4456, 4369..4458, 4369..4458, 4371..4460, 4683..4787, 4684..4788, 4686..4802, 5026..5103, 5038..5097, 5140..5166 | | |

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| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o1.ts | Method | TBLASTX:Soybean |
| Start | 3151 | End | 4074 |
| GI | none | Score | 201 |
| Exons | 3151..3309, 3153..3308, 3636..3686, 3646..3771, 3796..3897, 3810..3851, 3812..3862, 3933..4073, 3937..4074, 3941..4072 | | |

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|---|---|---|---|
| Seq. No. | 7264 | Seq. ID | OJ990421_07.9923.C26 |
| Gene No. | 15311 | Strand | + |
| Start | 5109 | End | 5588 |
| Name | OJ990421_07.9923.C26.o3.gp | Method | AAT/GAP |
| Start | 5109 | End | 5588 |
| GI | 17795_1.R1084 | Score | 908 |
| Exons | 5109..5588 | | |
| GI Descrip. | '3426064/emb\|CAA07575.1\| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]' | | |

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| Seq. No. | 7265 | Seq. ID | OJ990421_07.9923.C27 |
| Gene No. | 15312 | Strand | + |
| Start | 1 | End | 4357 |
| Name | OJ990421_07.9923.C27.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4357 |
| GI | 5541717 | Score | 1146 |
| Exons | 1..197, 658..783, 877..1000, 1357..1541, 2163..2387, 2488..2628, 2714..2859, 3026..3114, 3768..3980, 4316..4357 | | |
| GI Descrip. | (AL049655) kinesin-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7265 | Seq. ID | OJ990421_07.9923.C27 |
| Gene No. | 15312 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 4357 |
| Name | OJ990421_07.9923.C27.o1.gs | Method | GENSCAN |
| Start | 85 | End | 3980 |
| GI | none | Score | .62 |
| Exons | 85..453, 683..783, 877..1041, 1356..1469, 2163..2384, 2471..2624, 2710..2859, 3026..3114, 3768..3980 | | |

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|---|---|---|---|
| Seq. No. | 7265 | Seq. ID | OJ990421_07.9923.C27 |
| Gene No. | 15312 | Strand | + |
| Start | 1 | End | 4357 |
| Name | OJ990421_07.9923.C27.o1.ts | Method | TBLASTX:Soybean |
| Start | 2162 | End | 2387 |
| GI | none | Score | 229 |
| Exons | 2162..2386, 2163..2387 | | |

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|---|---|---|---|
| Seq. No. | 7265 | Seq. ID | OJ990421_07.9923.C27 |
| Gene No. | 15312 | Strand | + |
| Start | 1 | End | 4357 |
| Name | OJ990421_07.9923.C27.o2.tm | Method | TBLASTX:Maize |
| Start | 2551 | End | 2795 |
| GI | none | Score | 105 |
| Exons | 2551..2628, 2558..2647, 2708..2794, 2709..2795 | | |

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| Seq. No. | 7265 | Seq. ID | OJ990421_07.9923.C27 |
| Gene No. | 15312 | Strand | + |
| Start | 1 | End | 4357 |
| Name | OJ990421_07.9923.C27.o1.tm | Method | TBLASTX:Maize |
| Start | 3028 | End | 3954 |
| GI | none | Score | 116 |
| Exons | 3028..3114, 3033..3110, 3034..3111, 3059..3124, 3765..3953, 3767..3850, 3769..3954, 3846..3896 | | |

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| Seq. No. | 7266 | Seq. ID | OJ990421_07.9923.C28 |
| Gene No. | 15313 | Strand | + |
| Start | 1 | End | 2609 |
| Name | OJ990421_07.9923.C28.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2609 |
| GI | 5541717 | Score | 234 |
| Exons | 1..22, 352..492, 639..870, 1157..1545, 1623..1728, 1815..1907, 2245..2370, 2535..2609 | | |
| GI Descrip. | (AL049655) kinesin-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7266 | Seq. ID | OJ990421_07.9923.C28 |
| Gene No. | 15313 | Strand | + |
| Start | 1 | End | 2609 |
| Name | OJ990421_07.9923.C28.o1.gs | Method | GENSCAN |
| Start | 358 | End | 2370 |
| GI | none | Score | .89 |
| Exons | 358..492, 639..818, 1182..1289, 1393..1518, 1599..1728, 1815..1907, 2245..2370 | | |

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|---|---|---|---|
| Seq. No. | 7266 | Seq. ID | OJ990421_07.9923.C28 |
| Gene No. | 15313 | Strand | + |
| Start | 1 | End | 2609 |
| Name | OJ990421_07.9923.C28.o1.tm | Method | TBLASTX:Maize |
| Start | 1403 | End | 1754 |
| GI | none | Score | 85 |

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|---|---|---|---|
| Exons | 1403..1489, 1414..1488, 1596..1754, 1598..1741 | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15314 | Strand | + |
| Start | 1 | End | 2368 |
| Name | OJ990421_07.9923.C29.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2356 |
| GI | 5541717 | Score | 502 |
| Exons | 1..60, 394..519, 1281..1424, 1979..2107, 2226..2356 | | |
| GI Descrip. | (AL049655) kinesin-like protein [Arabidopsis thaliana] | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15314 | Strand | + |
| Start | 1 | End | 2368 |
| Name | OJ990421_07.9923.C29.o1.gs | Method | GENSCAN |
| Start | 414 | End | 2368 |
| GI | none | Score | .99 |
| Exons | 414..519, 1281..1424, 1979..2107, 2226..2368 | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o1.ts | Method | TBLASTX:Soybean |
| Start | 1280 | End | 2365 |
| GI | none | Score | 155 |
| Exons | 1280..1426, 1309..1434, 1977..2099, 1978..2106, 2225..2365 | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o2.np | Method | AAT/NAP |
| Start | 1280 | End | 3929 |
| GI | 6498423 | Score | 562 |
| Exons | 1280..1343, 3276..3589, 3621..3929 | | |
| GI Descrip. | (AP000815) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o2.tm | Method | TBLASTX:Maize |
| Start | 2079 | End | 2370 |
| GI | none | Score | 50 |
| Exons | 2079..2105, 2080..2106, 2224..2370, 2225..2368 | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o1.gp | Method | AAT/GAP |
| Start | 2530 | End | 2936 |
| GI | 3759173 | Score | 586 |
| Exons | 2530..2817, 2898..2936 | | |
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o1.tm | Method | TBLASTX:Maize |
| Start | 2785 | End | 4718 |

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|---|---|---|---|
| GI | none | Score | 90 |
| Exons | 2785..2817, 2898..3011, 2898..3014, 2899..3015, 2899..3015, 4313..4408, 4314..4409, 4315..4395, 4316..4411, 4526..4579, 4528..4587, 4538..4621, 4539..4586, 4593..4643, 4606..4710, 4628..4717, 4629..4718 | | |

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|---|---|---|---|
| Seq. No. | 7267 | Seq. ID | OJ990421_07.9923.C29 |
| Gene No. | 15315 | Strand | - |
| Start | 1280 | End | 4718 |
| Name | OJ990421_07.9923.C29.o2.gs | Method | GENSCAN |
| Start | 2874 | End | 4653 |
| GI | none | Score | .71 |
| Exons | 2874..3012, 3337..3536, 3545..3729, 3734..3846, 4314..4402, 4538..4653 | | |

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|---|---|---|---|
| Seq. No. | 7268 | Seq. ID | OJ990421_07.9923.C30 |
| Gene No. | 15316 | Strand | - |
| Start | 1 | End | 1852 |
| Name | OJ990421_07.9923.C30.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1852 |
| GI | 3757522 | Score | 131 |
| Exons | 1..214, 350..532, 1798..1852 | | |
| GI Descrip. | (AC005167) putative splicing factor [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7268 | Seq. ID | OJ990421_07.9923.C30 |
| Gene No. | 15316 | Strand | - |
| Start | 1 | End | 1852 |
| Name | OJ990421_07.9923.C30.o1.tm | Method | TBLASTX:Maize |
| Start | 125 | End | 1666 |
| GI | none | Score | 101 |
| Exons | 125..220, 126..221, 127..207, 128..223, 338..391, 340..399, 350..433, 351..398, 405..455, 418..522, 440..529, 441..530, 624..656, 1595..1666, 1603..1665 | | |

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|---|---|---|---|
| Seq. No. | 7268 | Seq. ID | OJ990421_07.9923.C30 |
| Gene No. | 15316 | Strand | - |
| Start | 1 | End | 1852 |
| Name | OJ990421_07.9923.C30.o1.gs | Method | GENSCAN |
| Start | 126 | End | 1665 |
| GI | none | Score | .9 |
| Exons | 126..214, 350..569, 1601..1665 | | |

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|---|---|---|---|
| Seq. No. | 7268 | Seq. ID | OJ990421_07.9923.C30 |
| Gene No. | 15316 | Strand | - |
| Start | 1 | End | 1852 |
| Name | OJ990421_07.9923.C30.o2.tm | Method | TBLASTX:Maize |
| Start | 811 | End | 1039 |
| GI | none | Score | 48 |
| Exons | 811..858, 812..859, 861..1013, 874..1038, 875..1039 | | |

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|---|---|---|---|
| Seq. No. | 7269 | Seq. ID | OJ990421_07.9923.C31 |
| Gene No. | 15317 | Strand | - |
| Start | 91 | End | 1924 |
| Name | OJ990421_07.9923.C31.o1.gs | Method | GENSCAN |
| Start | 91 | End | 1587 |
| GI | none | Score | .76 |
| Exons | 91..155, 789..872, 1374..1587 | | |

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|---|---|---|---|
| Seq. No. | 7269 | Seq. ID | OJ990421_07.9923.C31 |
| Gene No. | 15317 | Strand | - |
| Start | 91 | End | 1924 |
| Name | OJ990421_07.9923.C31.o1.np | Method | AAT/NAP |
| Start | 789 | End | 1587 |
| GI | 3757522 | Score | 371 |
| Exons | 789..872, 975..1049, 1085..1213, 1374..1587 | | |
| GI Descrip. | (AC005167) putative splicing factor [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7269 | Seq. ID | OJ990421_07.9923.C31 |
| Gene No. | 15317 | Strand | - |
| Start | 91 | End | 1924 |
| Name | OJ990421_07.9923.C31.o1.tm | Method | TBLASTX:Maize |
| Start | 1094 | End | 1924 |
| GI | none | Score | 238 |
| Exons | 1094..1228, 1324..1593, 1371..1595, 1372..1599, 1827..1916, 1850..1924, 1852..1923 | | |

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|---|---|---|---|
| Seq. No. | 7269 | Seq. ID | OJ990421_07.9923.C31 |
| Gene No. | 15317 | Strand | - |
| Start | 91 | End | 1924 |
| Name | OJ990421_07.9923.C31.o1.ts | Method | TBLASTX:Soybean |
| Start | 1371 | End | 1604 |
| GI | none | Score | 48 |
| Exons | 1371..1430, 1390..1428, 1464..1586, 1468..1587, 1470..1604 | | |

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|---|---|---|---|
| Seq. No. | 7270 | Seq. ID | OJ990421_07.9923.C33 |
| Gene No. | 15318 | Strand | + |
| Start | 323 | End | 467 |
| Name | OJ990421_07.9923.C33.o1.gs | Method | GENSCAN |
| Start | 323 | End | 467 |
| GI | none | Score | .57 |
| Exons | 323..467 | | |

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|---|---|---|---|
| Seq. No. | 7271 | Seq. ID | OJ990421_07.9923.C34 |
| Gene No. | 15319 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990421_07.9923.C34.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 447 |
| GI | 148_1.R1084 | Score | 350 |
| Exons | 1..145, 342..447 | | |
| GI Descrip. | '5931625/dbj\|BAA84717.1\| 1.0e-106 (AB032761) rab5B [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7271 | Seq. ID | OJ990421_07.9923.C34 |
| Gene No. | 15319 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990421_07.9923.C34.o1.np | Method | AAT/NAP |
| Start | 1 | End | 678 |
| GI | 5931625 | Score | 270 |
| Exons | 1..145, 342..460, 574..678 | | |
| GI Descrip. | (AB032761) rab5B [Oryza sativa] | | |

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| Seq. No. | 7271 | Seq. ID | OJ990421_07.9923.C34 |
| Gene No. | 15319 | Strand | + |
| Start | 1 | End | 678 |

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|---|---|---|---|
| Name | OJ990421_07.9923.C34.o1.gs | Method | GENSCAN |
| Start | 51 | End | 447 |
| GI | none | Score | .94 |
| Exons | 51..145, 372..447 | | |

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|---|---|---|---|
| Seq. No. | 7272 | Seq. ID | OJ990421_07.9923.C36 |
| Gene No. | 15320 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990421_07.9923.C36.o1.np | Method | AAT/NAP |
| Start | 1 | End | 646 |
| GI | 3426064 | Score | 345 |
| Exons | 1..507, 589..646 | | |
| GI Descrip. | (AJ007588) monooxygenase [Arabidopsis thaliana] gi\|4467141\|emb\|CAB37510\| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |

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| Seq. No. | 7272 | Seq. ID | OJ990421_07.9923.C36 |
| Gene No. | 15320 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990421_07.9923.C36.o1.tc | Method | TBLASTX:Cress |
| Start | 2 | End | 661 |
| GI | none | Score | 57 |
| Exons | 2..190, 87..164, 167..346, 294..347, 593..661 | | |

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|---|---|---|---|
| Seq. No. | 7272 | Seq. ID | OJ990421_07.9923.C36 |
| Gene No. | 15320 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990421_07.9923.C36.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 349 |
| GI | none | Score | 97 |
| Exons | 2..304, 3..167, 254..349, 254..346 | | |

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|---|---|---|---|
| Seq. No. | 7272 | Seq. ID | OJ990421_07.9923.C36 |
| Gene No. | 15320 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990421_07.9923.C36.o1.gs | Method | GENSCAN |
| Start | 38 | End | 702 |
| GI | none | Score | .97 |
| Exons | 38..507, 589..702 | | |

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|---|---|---|---|
| Seq. No. | 7273 | Seq. ID | OJ990421_07.9923.C37 |
| Gene No. | 15321 | Strand | + |
| Start | 1 | End | 530 |
| Name | OJ990421_07.9923.C37.o1.np | Method | AAT/NAP |
| Start | 1 | End | 287 |
| GI | 3757522 | Score | 130 |
| Exons | 1..162, 243..287 | | |
| GI Descrip. | (AC005167) putative splicing factor [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7273 | Seq. ID | OJ990421_07.9923.C37 |
| Gene No. | 15321 | Strand | + |
| Start | 1 | End | 530 |
| Name | OJ990421_07.9923.C37.o1.tm | Method | TBLASTX:Maize |
| Start | 45 | End | 286 |
| GI | none | Score | 105 |
| Exons | 45..161, 45..161, 46..162, 52..162, 243..284, 245..286 | | |

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|---|---|---|---|
| Seq. No. | 7273 | Seq. ID | OJ990421_07.9923.C37 |
| Gene No. | 15321 | Strand | + |
| Start | 1 | End | 530 |
| Name | OJ990421_07.9923.C37.o1.gs | Method | GENSCAN |
| Start | 48 | End | 162 |
| GI | none | Score | .64 |
| Exons | 48..162 | | |

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|---|---|---|---|
| Seq. No. | 7273 | Seq. ID | OJ990421_07.9923.C37 |
| Gene No. | 15321 | Strand | + |
| Start | 1 | End | 530 |
| Name | OJ990421_07.9923.C37.o1.gp | Method | AAT/GAP |
| Start | 124 | End | 530 |
| GI | 3759173 | Score | 586 |
| Exons | 124..162, 243..530 | | |

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|---|---|---|---|
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.np | Method | AAT/NAP |
| Start | 1 | End | 414 |
| GI | 6440857 | Score | 301 |
| Exons | 1..414 | | |
| GI Descrip. | (AU066528) 40S ribosomal protein S9 [Chlamydomonas sp.] | | |

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|---|---|---|---|
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.gp | Method | AAT/GAP |
| Start | 137 | End | 386 |
| GI | 5144_1.R1084 | Score | 433 |
| Exons | 137..386 | | |
| GI Descrip. | '3426064/emb\|CAA07575.1\| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]' | | |

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| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.ts | Method | TBLASTX:Soybean |
| Start | 137 | End | 404 |
| GI | none | Score | 204 |
| Exons | 137..385, 139..384, 186..404 | | |

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|---|---|---|---|
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.tm | Method | TBLASTX:Maize |
| Start | 137 | End | 387 |
| GI | none | Score | 243 |
| Exons | 137..385, 139..387, 139..384 | | |

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|---|---|---|---|
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.tc | Method | TBLASTX:Cress |
| Start | 137 | End | 408 |

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|---|---|---|---|
| GI | none | Score | 167 |
| Exons | 137..319, 138..404, 139..408, 139..405 | | |
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.tw | Method | TBLASTX:Wheat |
| Start | 139 | End | 400 |
| GI | none | Score | 259 |
| Exons | 139..387, 139..384, 146..400 | | |
| Seq. No. | 7274 | Seq. ID | OJ990421_07.9923.C38 |
| Gene No. | 15322 | Strand | - |
| Start | 1 | End | 414 |
| Name | OJ990421_07.9923.C38.o1.gs | Method | GENSCAN |
| Start | 192 | End | 386 |
| GI | none | Score | .8 |
| Exons | 192..386 | | |
| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15323 | Strand | + |
| Start | 1 | End | 440 |
| Name | OJ990421_07.9923.C39.o1.np | Method | AAT/NAP |
| Start | 1 | End | 440 |
| GI | 5257259 | Score | 106 |
| Exons | 1..68, 363..440 | | |
| GI Descrip. | (AP000364) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15324 | Strand | + |
| Start | 481 | End | 567 |
| Name | OJ990421_07.9923.C39.o1.gs | Method | GENSCAN |
| Start | 481 | End | 567 |
| GI | none | Score | .98 |
| Exons | 481..567 | | |
| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15325 | Strand | - |
| Start | 3233 | End | 3771 |
| Name | OJ990421_07.9923.C39.o1.tm | Method | TBLASTX:Maize |
| Start | 3210 | End | 3765 |
| GI | none | Score | 106 |
| Exons | 3210..3320, 3217..3363, 3516..3596, 3518..3628, 3522..3617, 3544..3618, 3598..3765, 3613..3762 | | |
| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15325 | Strand | - |
| Start | 3233 | End | 3771 |
| Name | OJ990421_07.9923.C39.o2.np | Method | AAT/NAP |
| Start | 3233 | End | 3763 |
| GI | 4884932 | Score | 202 |
| Exons | 3233..3307, 3518..3763 | | |
| GI Descrip. | (AF141659) AtHVA22a [Arabidopsis thaliana] gi\|4884944\|gb\|AAD31885.1\|AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi\|6539254\|gb\|AAF15924.1\|AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana] | | |

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| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15325 | Strand | - |
| Start | 3233 | End | 3771 |
| Name | OJ990421_07.9923.C39.o1.tw | Method | TBLASTX:Wheat |
| Start | 3525 | End | 3771 |
| GI | none | Score | 44 |
| Exons | 3525..3575, 3607..3762, 3625..3771 | | |

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|---|---|---|---|
| Seq. No. | 7275 | Seq. ID | OJ990421_07.9923.C39 |
| Gene No. | 15326 | Strand | |
| Start | 7177 | End | 7452 |
| Name | OJ990421_07.9923.C39.o2.tm | Method | TBLASTX:Maize |
| Start | 7177 | End | 7452 |
| GI | none | Score | 238 |
| Exons | 7177..7452, 7179..7283 | | |

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|---|---|---|---|
| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.np | Method | AAT/NAP |
| Start | 84 | End | 1180 |
| GI | 4884932 | Score | 193 |
| Exons | 84..404, 1130..1180 | | |
| GI Descrip. | (AF141659) AtHVA22a [Arabidopsis thaliana] gi\|4884944\|gb\|AAD31885.1\|AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi\|6539254\|gb\|AAF15924.1\|AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana] | | |

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| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.tc | Method | TBLASTX:Cress |
| Start | 144 | End | 405 |
| GI | none | Score | 84 |
| Exons | 144..302, 245..403, 264..386, 298..405 | | |

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|---|---|---|---|
| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.ts | Method | TBLASTX:Soybean |
| Start | 148 | End | 417 |
| GI | none | Score | 66 |
| Exons | 148..291, 159..299, 246..401, 254..403, 266..412, 304..417 | | |

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|---|---|---|---|
| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.tm | Method | TBLASTX:Maize |
| Start | 157 | End | 406 |
| GI | none | Score | 106 |
| Exons | 157..237, 159..269, 163..258, 239..406, 254..403 | | |

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|---|---|---|---|
| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.gs | Method | GENSCAN |
| Start | 159 | End | 543 |

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|---|---|---|---|
| GI | none | Score | .75 |
| Exons | 159..404, 541..543 | | |

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| Seq. No. | 7276 | Seq. ID | OJ990421_07.9923.C40 |
| Gene No. | 15327 | Strand | - |
| Start | 84 | End | 1180 |
| Name | OJ990421_07.9923.C40.o1.tw | Method | TBLASTX:Wheat |
| Start | 166 | End | 412 |
| GI | none | Score | 44 |
| Exons | 166..216, 248..403, 258..404, 266..412 | | |

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|---|---|---|---|
| Seq. No. | 7277 | Seq. ID | OJ990421_07.9923.C42 |
| Gene No. | 15328 | Strand | - |
| Start | 1 | End | 1126 |
| Name | OJ990421_07.9923.C42.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 1126 |
| GI | 4715556 | Score | 767 |
| Exons | 1..53, 173..241, 717..863, 977..1126 | | |
| GI Descrip. | 3426064/emb\|CAA07575.1\| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7277 | Seq. ID | OJ990421_07.9923.C42 |
| Gene No. | 15328 | Strand | - |
| Start | 1 | End | 1126 |
| Name | OJ990421_07.9923.C42.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1056 |
| GI | 3426064 | Score | 183 |
| Exons | 1..37, 646..863, 977..1056 | | |
| GI Descrip. | (AJ007588) monooxygenase [Arabidopsis thaliana] gi\|4467141\|emb\|CAB37510\| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7277 | Seq. ID | OJ990421_07.9923.C42 |
| Gene No. | 15328 | Strand | - |
| Start | 1 | End | 1126 |
| Name | OJ990421_07.9923.C42.o1.tw | Method | TBLASTX:Wheat |
| Start | 30 | End | 870 |
| GI | none | Score | 39 |
| Exons | 30..56, 32..55, 162..242, 173..244, 175..234, 182..244, 702..800, 716..865, 753..866, 838..870 | | |

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|---|---|---|---|
| Seq. No. | 7277 | Seq. ID | OJ990421_07.9923.C42 |
| Gene No. | 15328 | Strand | - |
| Start | 1 | End | 1126 |
| Name | OJ990421_07.9923.C42.o1.gs | Method | GENSCAN |
| Start | 173 | End | 1056 |
| GI | none | Score | .88 |
| Exons | 173..241, 717..863, 977..1056 | | |

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|---|---|---|---|
| Seq. No. | 7277 | Seq. ID | OJ990421_07.9923.C42 |
| Gene No. | 15328 | Strand | - |
| Start | 1 | End | 1126 |
| Name | OJ990421_07.9923.C42.o1.tm | Method | TBLASTX:Maize |
| Start | 700 | End | 885 |
| GI | none | Score | 87 |
| Exons | 700..786, 701..778, 704..865, 705..866, 838..885 | | |

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|---|---|---|---|
| Seq. No. | 7278 | Seq. ID | OJ990421_07.9923.C46 |
| Gene No. | 15329 | Strand | - |
| Start | 222 | End | 660 |
| Name | OJ990421_07.9923.C46.o1.gs | Method | GENSCAN |
| Start | 222 | End | 660 |
| GI | none | Score | .51 |
| Exons | 222..418, 473..660 | | |

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|---|---|---|---|
| Seq. No. | 7279 | Seq. ID | OJ990421_07.9923.C47 |
| Gene No. | 15330 | Strand | - |
| Start | 56 | End | 230 |
| Name | OJ990421_07.9923.C47.o1.gp | Method | AAT/GAP |
| Start | 56 | End | 230 |
| GI | 2769_1.R1084 | Score | 312 |
| Exons | 56..230 | | |
| GI Descrip. | '1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]' | | |

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|---|---|---|---|
| Seq. No. | 7280 | Seq. ID | OJ990421_07.9923.C48 |
| Gene No. | 15331 | Strand | - |
| Start | 76 | End | 508 |
| Name | OJ990421_07.9923.C48.o1.gs | Method | GENSCAN |
| Start | 76 | End | 508 |
| GI | none | Score | .87 |
| Exons | 76..141, 392..508 | | |

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|---|---|---|---|
| Seq. No. | 7281 | Seq. ID | OJ990421_07.9923.C51 |
| Gene No. | 15332 | Strand | + |
| Start | 474 | End | 541 |
| Name | OJ990421_07.9923.C51.o1.gs | Method | GENSCAN |
| Start | 474 | End | 541 |
| GI | none | Score | .57 |
| Exons | 474..541 | | |

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|---|---|---|---|
| Seq. No. | 7282 | Seq. ID | OJ990421_07.9923.C53 |
| Gene No. | 15333 | Strand | - |
| Start | 327 | End | 570 |
| Name | OJ990421_07.9923.C53.o1.gp | Method | AAT/GAP |
| Start | 327 | End | 570 |
| GI | 5004678 | Score | 421 |
| Exons | 327..570 | | |

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|---|---|---|---|
| Seq. No. | 7283 | Seq. ID | OJ990421_07.9923.C56 |
| Gene No. | 15334 | Strand | - |
| Start | 732 | End | 887 |
| Name | OJ990421_07.9923.C56.o1.gs | Method | GENSCAN |
| Start | 732 | End | 887 |
| GI | none | Score | .98 |
| Exons | 732..887 | | |

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|---|---|---|---|
| Seq. No. | 7284 | Seq. ID | OJ990421_07.9923.C59 |
| Gene No. | 15335 | Strand | + |
| Start | 1 | End | 668 |
| Name | OJ990421_07.9923.C59.o1.np | Method | AAT/NAP |
| Start | 1 | End | 668 |
| GI | 4206306 | Score | 444 |

| | | | |
|---|---|---|---|
| Exons | 1..668 | | |
| GI Descrip. | (AF049110) prpol [Zea mays] | | |
| Seq. No. | 7284 | Seq. ID | OJ990421_07.9923.C59 |
| Gene No. | 15335 | Strand | + |
| Start | 1 | End | 668 |
| Name | OJ990421_07.9923.C59.o1.gs | Method | GENSCAN |
| Start | 58 | End | 585 |
| GI | none | Score | .58 |
| Exons | 58..585 | | |
| Seq. No. | 7284 | Seq. ID | OJ990421_07.9923.C59 |
| Gene No. | 15335 | Strand | + |
| Start | 1 | End | 668 |
| Name | OJ990421_07.9923.C59.o1.tw | Method | TBLASTX:Wheat |
| Start | 249 | End | 587 |
| GI | none | Score | 65 |
| Exons | 249..359, 366..587 | | |
| Seq. No. | 7285 | Seq. ID | OJ990421_07.9923.C60 |
| Gene No. | 15336 | Strand | - |
| Start | 236 | End | 504 |
| Name | OJ990421_07.9923.C60.o1.gs | Method | GENSCAN |
| Start | 236 | End | 504 |
| GI | none | Score | .57 |
| Exons | 236..504 | | |
| Seq. No. | 7286 | Seq. ID | OJ990421_07.9923.C62 |
| Gene No. | 15337 | Strand | - |
| Start | 11 | End | 336 |
| Name | OJ990421_07.9923.C62.o1.gs | Method | GENSCAN |
| Start | 11 | End | 336 |
| GI | none | Score | .68 |
| Exons | 11..336 | | |
| Seq. No. | 7287 | Seq. ID | OJ990421_07.9923.C64 |
| Gene No. | 15338 | Strand | - |
| Start | 426 | End | 494 |
| Name | OJ990421_07.9923.C64.o1.gs | Method | GENSCAN |
| Start | 426 | End | 494 |
| GI | none | Score | .88 |
| Exons | 426..494 | | |
| Seq. No. | 7288 | Seq. ID | OJ990421_07.9923.C65 |
| Gene No. | 15339 | Strand | - |
| Start | 573 | End | 637 |
| Name | OJ990421_07.9923.C65.o1.gp | Method | AAT/GAP |
| Start | 573 | End | 637 |
| GI | 4715947 | Score | 61 |
| Exons | 573..637 | | |
| GI Descrip. | 2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] | | |
| Seq. No. | 7289 | Seq. ID | OJ990421_06.9923.C1 |

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|---|---|---|---|
| Gene No. | 15340 | Strand | + |
| Start | 167 | End | 394 |
| Name | OJ990421_06.9923.C1.o1.gp | Method | AAT/GAP |
| Start | 167 | End | 394 |
| GI | 30241_1.R1084 | Score | 405 |
| Exons | 167..394 | | |
| GI Descrip. | '4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7289 | Seq. ID | OJ990421_06.9923.C1 |
| Gene No. | 15340 | Strand | + |
| Start | 167 | End | 394 |
| Name | OJ990421_06.9923.C1.o1.gs | Method | GENSCAN |
| Start | 250 | End | 305 |
| GI | none | Score | .89 |
| Exons | 250..305 | | |

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|---|---|---|---|
| Seq. No. | 7290 | Seq. ID | OJ990421_06.9923.C2 |
| Gene No. | 15341 | Strand | - |
| Start | 17 | End | 128 |
| Name | OJ990421_06.9923.C2.o1.gs | Method | GENSCAN |
| Start | 17 | End | 128 |
| GI | none | Score | .44 |
| Exons | 17..128 | | |

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|---|---|---|---|
| Seq. No. | 7291 | Seq. ID | OJ990421_06.9923.C4 |
| Gene No. | 15342 | Strand | + |
| Start | 254 | End | 410 |
| Name | OJ990421_06.9923.C4.o1.gs | Method | GENSCAN |
| Start | 254 | End | 410 |
| GI | none | Score | .54 |
| Exons | 254..410 | | |

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|---|---|---|---|
| Seq. No. | 7292 | Seq. ID | OJ990421_06.9923.C5 |
| Gene No. | 15343 | Strand | + |
| Start | 16 | End | 86 |
| Name | OJ990421_06.9923.C5.o1.gs | Method | GENSCAN |
| Start | 16 | End | 86 |
| GI | none | Score | .84 |
| Exons | 16..86 | | |

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|---|---|---|---|
| Seq. No. | 7293 | Seq. ID | OJ990421_06.9923.C6 |
| Gene No. | 15344 | Strand | - |
| Start | 496 | End | 599 |
| Name | OJ990421_06.9923.C6.o1.gs | Method | GENSCAN |
| Start | 496 | End | 599 |
| GI | none | Score | .41 |
| Exons | 496..599 | | |

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|---|---|---|---|
| Seq. No. | 7294 | Seq. ID | OJ990421_06.9923.C7 |
| Gene No. | 15345 | Strand | + |
| Start | 1 | End | 235 |
| Name | OJ990421_06.9923.C7.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 235 |
| GI | 20435_1.R1084 | Score | 470 |
| Exons | 1..235 | | |
| GI Descrip. | '4512237/dbj\|BAA75235.1\| 2.0e-89 (AB014746) polyprotein [Hordeum | | |

vulgare]'

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o2.gs | Method | GENSCAN |
| Start | 4882 | End | 19325 |
| GI | none | Score | .73 |
| Exons | 4882..4901, 6459..6667, 7709..7869, 8272..8766, 9430..9730, 9862..9950, 13479..13637, 13953..14035, 14729..15020, 16918..16988, 17515..17717, 17845..18115, 19081..19163, 19195..19325 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o2.np | Method | AAT/NAP |
| Start | 5886 | End | 8658 |
| GI | 1708618 | Score | 32 |
| Exons | 5886..5928, 8479..8658 | | |
| GI Descrip. | NUCLEAR FACTOR NF-KAPPA-B P100 SUBUNIT [CONTAINS: NUCLEAR FACTOR NF-KAPPA-B P52 SUBUNIT] gi\|407031 (U00111) NF-kB p52/p100 [Gallus gallus] gi\|738738\|prf\|\|2001399A NF-kappa B p100 protein [Gallus gallus] | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o1.gp | Method | AAT/GAP |
| Start | 6469 | End | 8737 |
| GI | none | Score | 1718 |
| Exons | 6469..6667, 7709..7869, 7948..8022, 8272..8737 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o2.gp | Method | AAT/GAP |
| Start | 12371 | End | 14261 |
| GI | none | Score | 1342 |
| Exons | 12371..12401, 12490..12533, 12611..12665, 13477..13780, 13953..14261 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o4.gp | Method | AAT/GAP |
| Start | 17494 | End | 18038 |
| GI | none | Score | 876 |
| Exons | 17494..17839, 17913..18038 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15346 | Strand | + |
| Start | 4882 | End | 19520 |
| Name | OJ990421_06.9923.C8.o5.gp | Method | AAT/GAP |
| Start | 18046 | End | 19520 |
| GI | none | Score | 832 |
| Exons | 18046..18115, 18308..18373, 19195..19520 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15347 | Strand | + |
| Start | 20333 | End | 21786 |
| Name | OJ990421_06.9923.C8.o3.np | Method | AAT/NAP |
| Start | 20200 | End | 20833 |
| GI | 4234854 | Score | 718 |
| Exons | 20200..20833 | | |
| GI Descrip. | (AF082134) pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15347 | Strand | + |
| Start | 20333 | End | 21786 |
| Name | OJ990421_06.9923.C8.o3.gs | Method | GENSCAN |
| Start | 20333 | End | 21786 |
| GI | none | Score | .43 |
| Exons | 20333..20692, 21046..21156, 21203..21363, 21401..21456, 21534..21644, 21701..21786 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15348 | Strand | + |
| Start | 22735 | End | 23035 |
| Name | OJ990421_06.9923.C8.o4.np | Method | AAT/NAP |
| Start | 22735 | End | 23035 |
| GI | 13203 | Score | 475 |
| Exons | 22735..23035 | | |
| GI Descrip. | (X53710) apocytochrome b [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15349 | Strand | + |
| Start | 23849 | End | 27871 |
| Name | OJ990421_06.9923.C8.o4.gs | Method | GENSCAN |
| Start | 23849 | End | 27050 |
| GI | none | Score | .59 |
| Exons | 23849..23896, 24370..24493, 24580..24668, 24829..24953, 25834..26040, 26315..26543, 26607..27050 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15349 | Strand | + |
| Start | 23849 | End | 27871 |
| Name | OJ990421_06.9923.C8.o5.np | Method | AAT/NAP |
| Start | 26239 | End | 27871 |
| GI | 5922636 | Score | 291 |
| Exons | 26239..26314, 26809..27044, 27826..27871 | | |
| GI Descrip. | (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016869\|dbj\|BAA85212.1\| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15350 | Strand | - |
| Start | 1071 | End | 1888 |
| Name | OJ990421_06.9923.C8.o1.np | Method | AAT/NAP |
| Start | 1071 | End | 1888 |
| GI | 4680186 | Score | 235 |
| Exons | 1071..1225, 1729..1888 | | |

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15351 | Strand | - |
| Start | 14388 | End | 14671 |
| Name | OJ990421_06.9923.C8.o3.gp | Method | AAT/GAP |
| Start | 14388 | End | 14671 |
| GI | uC-osroM202017a05a1 | Score | 568 |
| Exons | 14388..14671 | | |
| GI Descrip. | '6041846/gb\|AAF02155.1\|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15352 | Strand | - |
| Start | 21480 | End | 21533 |
| Name | OJ990421_06.9923.C8.o6.gp | Method | AAT/GAP |
| Start | 21480 | End | 21533 |
| GI | none | Score | 63 |
| Exons | 21480..21533 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15353 | Strand | - |
| Start | 23940 | End | 24054 |
| Name | OJ990421_06.9923.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 20214 | End | 20794 |
| GI | none | Score | 44 |
| Exons | 20214..20270, 20291..20395, 20378..20554, 20597..20794 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15353 | Strand | - |
| Start | 23940 | End | 24054 |
| Name | OJ990421_06.9923.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 20214 | End | 20779 |
| GI | none | Score | 68 |
| Exons | 20214..20288, 20291..20395, 20408..20587, 20597..20779 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15353 | Strand | - |
| Start | 23940 | End | 24054 |
| Name | OJ990421_06.9923.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 20383 | End | 20782 |
| GI | none | Score | 262 |
| Exons | 20383..20616, 20387..20782, 20420..20626 | | |

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|---|---|---|---|
| Seq. No. | 7295 | Seq. ID | OJ990421_06.9923.C8 |
| Gene No. | 15353 | Strand | - |
| Start | 23940 | End | 24054 |
| Name | OJ990421_06.9923.C8.o8.gp | Method | AAT/GAP |
| Start | 23940 | End | 24054 |
| GI | uC-osflcyp091g05a1 | Score | 196 |
| Exons | 23940..24054 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11' | | |

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| Seq. No. | 7296 | Seq. ID | OJ990421_06.9923.C9 |
| Gene No. | 15354 | Strand | - |
| Start | 98 | End | 2117 |

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|---|---|---|---|
| Name | OJ990421_06.9923.C9.o1.gs | Method | GENSCAN |
| Start | 98 | End | 2117 |
| GI | none | Score | .44 |
| Exons | 98..202, 427..477, 1926..2117 | | |

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| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15355 | Strand | + |
| Start | 1 | End | 964 |
| Name | OJ990421_06.9923.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 942 |
| GI | 4262224 | Score | 824 |
| Exons | 1..519, 598..942 | | |
| GI Descrip. | (AC006200) putative amino acid permease [Arabidopsis thaliana] | | |

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| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15355 | Strand | + |
| Start | 1 | End | 964 |
| Name | OJ990421_06.9923.C11.o1.gs | Method | GENSCAN |
| Start | 100 | End | 945 |
| GI | none | Score | .51 |
| Exons | 100..945 | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15355 | Strand | + |
| Start | 1 | End | 964 |
| Name | OJ990421_06.9923.C11.o2.gp | Method | AAT/GAP |
| Start | 597 | End | 964 |
| GI | 60111_1.R1084 | Score | 703 |
| Exons | 597..964 | | |
| GI Descrip. | '2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15356 | Strand | - |
| Start | 88 | End | 948 |
| Name | OJ990421_06.9923.C11.o1.gp | Method | AAT/GAP |
| Start | 88 | End | 262 |
| GI | uC-osf1M202062f04b1 | Score | 310 |
| Exons | 88..262 | | |
| GI Descrip. | '4262224/gb\|AAD14517\| 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15356 | Strand | - |
| Start | 88 | End | 948 |
| Name | OJ990421_06.9923.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 99 | End | 948 |
| GI | none | Score | 475 |
| Exons | 99..554, 103..591, 597..947, 598..948 | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15356 | Strand | - |
| Start | 88 | End | 948 |
| Name | OJ990421_06.9923.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 99 | End | 414 |
| GI | none | Score | 144 |
| Exons | 99..254, 103..255, 246..413, 247..414 | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15356 | Strand | - |
| Start | 88 | End | 948 |
| Name | OJ990421_06.9923.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 291 | End | 945 |
| GI | none | Score | 110 |
| Exons | 291..413, 300..512, 301..567, 304..519, 597..944, 598..945 | | |

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|---|---|---|---|
| Seq. No. | 7297 | Seq. ID | OJ990421_06.9923.C11 |
| Gene No. | 15356 | Strand | - |
| Start | 88 | End | 948 |
| Name | OJ990421_06.9923.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 613 | End | 948 |
| GI | none | Score | 220 |
| Exons | 613..948, 792..947 | | |

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|---|---|---|---|
| Seq. No. | 7298 | Seq. ID | OJ990421_06.9923.C12 |
| Gene No. | 15357 | Strand | + |
| Start | 406 | End | 680 |
| Name | OJ990421_06.9923.C12.o1.gs | Method | GENSCAN |
| Start | 406 | End | 680 |
| GI | none | Score | .45 |
| Exons | 406..680 | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 97 | End | 1471 |
| GI | none | Score | 72 |
| Exons | 97..285, 110..298, 111..290, 119..301, 120..302, 400..549, 414..644, 429..644, 1191..1346, 1193..1471, 1410..1448 | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o1.gp | Method | AAT/GAP |
| Start | 119 | End | 477 |
| GI | uC-osf1M202062f04b1 | Score | 454 |
| Exons | 119..300, 422..477 | | |
| GI Descrip. | '4262224/gb\|AAD14517\| 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o1.np | Method | AAT/NAP |
| Start | 119 | End | 1454 |
| GI | 2444271 | Score | 711 |
| Exons | 119..300, 422..641, 1069..1087, 1194..1454 | | |
| GI Descrip. | (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |

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|---|---|---|---|
| Name | OJ990421_06.9923.C13.o1.gs | Method | GENSCAN |
| Start | 119 | End | 1454 |
| GI | none | Score | .89 |
| Exons | 119..216, 422..641, 1069..1087, 1194..1454 | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 400 | End | 644 |
| GI | none | Score | 227 |
| Exons | 400..642, 420..644, 426..644 | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 523 | End | 1313 |
| GI | none | Score | 87 |
| Exons | 523..645, 525..644, 1191..1313, 1193..1312 | | |

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|---|---|---|---|
| Seq. No. | 7299 | Seq. ID | OJ990421_06.9923.C13 |
| Gene No. | 15358 | Strand | - |
| Start | 119 | End | 1471 |
| Name | OJ990421_06.9923.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 1193 | End | 1456 |
| GI | none | Score | 115 |
| Exons | 1193..1342, 1193..1456 | | |

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|---|---|---|---|
| Seq. No. | 7300 | Seq. ID | OJ990421_06.9923.C16 |
| Gene No. | 15359 | Strand | - |
| Start | 282 | End | 326 |
| Name | OJ990421_06.9923.C16.o1.gs | Method | GENSCAN |
| Start | 282 | End | 326 |
| GI | none | Score | .91 |
| Exons | 282..326 | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15360 | Strand | + |
| Start | 10718 | End | 10853 |
| Name | OJ990421_06.9923.C17.o3.gp | Method | AAT/GAP |
| Start | 10718 | End | 10853 |
| GI | 4715818 | Score | 243 |
| Exons | 10718..10853 | | |
| GI Descrip. | 4521194/dbj\|AB013613.1\|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11 | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15361 | Strand | + |
| Start | 11678 | End | 11928 |
| Name | OJ990421_06.9923.C17.o4.gp | Method | AAT/GAP |
| Start | 11678 | End | 11928 |
| GI | 3760084 | Score | 456 |
| Exons | 11678..11928 | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15362 | Strand | - |

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|---|---|---|---|
| Start | 272 | End | 1068 |
| Name | OJ990421_06.9923.C17.o1.gp | Method | AAT/GAP |
| Start | 272 | End | 1068 |
| GI | uC-osflcyp091g05a1 | Score | 804 |
| Exons | 272..540, 924..1068 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11' | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15363 | Strand | - |
| Start | 1644 | End | 1770 |
| Name | OJ990421_06.9923.C17.o2.gp | Method | AAT/GAP |
| Start | 1644 | End | 1770 |
| GI | uC-osflcyp091g05b1 | Score | 222 |
| Exons | 1644..1770 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11' | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15364 | Strand | - |
| Start | 7322 | End | 11918 |
| Name | OJ990421_06.9923.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 71 | End | 983 |
| GI | none | Score | 73 |
| Exons | 71..175, 256..279, 260..280, 353..475, 356..400, 400..474, 531..629, 532..630, 573..647, 580..630, 707..799, 744..800, 846..983, 856..981 | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15364 | Strand | - |
| Start | 7322 | End | 11918 |
| Name | OJ990421_06.9923.C17.o1.np | Method | AAT/NAP |
| Start | 7322 | End | 9860 |
| GI | 82640 | Score | 644 |
| Exons | 7322..7873, 8041..8122, 9832..9860 | | |
| GI Descrip. | maturase-related protein (nad1 intron) - wheat mitochondrion gi\|1334611\|emb\|CAA41033\| (X57965) initiation unknown [Triticum aestivum] | | |

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|---|---|---|---|
| Seq. No. | 7301 | Seq. ID | OJ990421_06.9923.C17 |
| Gene No. | 15364 | Strand | - |
| Start | 7322 | End | 11918 |
| Name | OJ990421_06.9923.C17.o3.gs | Method | GENSCAN |
| Start | 8895 | End | 11918 |
| GI | none | Score | .65 |
| Exons | 8895..9079, 9147..9219, 9912..9996, 11821..11918 | | |

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|---|---|---|---|
| Seq. No. | 7302 | Seq. ID | OJ990421_06.9923.C18 |
| Gene No. | 15365 | Strand | - |
| Start | 1654 | End | 1934 |
| Name | OJ990421_06.9923.C18.o1.gs | Method | GENSCAN |
| Start | 1654 | End | 1934 |
| GI | none | Score | .51 |
| Exons | 1654..1727, 1850..1934 | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15366 | Strand | + |

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|---|---|---|---|
| Start | 27 | End | 2465 |
| Name | OJ990421_06.9923.C19.o1.gs | Method | GENSCAN |
| Start | 27 | End | 2465 |
| GI | none | Score | .52 |
| Exons | 27..78, 262..485, 730..900, 2358..2465 | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15366 | Strand | + |
| Start | 27 | End | 2465 |
| Name | OJ990421_06.9923.C19.o1.gp | Method | AAT/GAP |
| Start | 215 | End | 581 |
| GI | 3760085 | Score | 672 |
| Exons | 215..581 | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15367 | Strand | + |
| Start | 6789 | End | 16289 |
| Name | OJ990421_06.9923.C19.o1.np | Method | AAT/NAP |
| Start | 5458 | End | 5550 |
| GI | 5852084 | Score | 84 |
| Exons | 5458..5550 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15367 | Strand | + |
| Start | 6789 | End | 16289 |
| Name | OJ990421_06.9923.C19.o2.gs | Method | GENSCAN |
| Start | 6789 | End | 9961 |
| GI | none | Score | .42 |
| Exons | 6789..6953, 7240..7416, 8080..8107, 8807..9021, 9758..9961 | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15367 | Strand | + |
| Start | 6789 | End | 16289 |
| Name | OJ990421_06.9923.C19.o2.gp | Method | AAT/GAP |
| Start | 7157 | End | 14199 |
| GI | 30241_1.R1084 | Score | 1328 |
| Exons | 7157..7384, 8040..8107, 9758..9946, 13959..14199 | | |
| GI Descrip. | '4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15367 | Strand | + |
| Start | 6789 | End | 16289 |
| Name | OJ990421_06.9923.C19.o4.gs | Method | GENSCAN |
| Start | 13121 | End | 16130 |
| GI | none | Score | .99 |
| Exons | 13121..13211, 13959..14918, 15657..16130 | | |

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15367 | Strand | + |
| Start | 6789 | End | 16289 |
| Name | OJ990421_06.9923.C19.o3.gp | Method | AAT/GAP |
| Start | 14361 | End | 16289 |
| GI | 20435_1.R1084 | Score | 2110 |
| Exons | 14361..14918, 15657..16130, 16217..16289 | | |
| GI Descrip. | '4512237/dbj\|BAA75235.1\| 2.0e-89 (AB014746) polyprotein [Hordeum | | |

vulgare]'

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|---|---|---|---|
| Seq. No. | 7303 | Seq. ID | OJ990421_06.9923.C19 |
| Gene No. | 15368 | Strand | - |
| Start | 11023 | End | 12255 |
| Name | OJ990421_06.9923.C19.o3.gs | Method | GENSCAN |
| Start | 11023 | End | 12255 |
| GI | none | Score | .68 |
| Exons | 11023..11148, 11176..11580, 11600..11680, 12059..12151, 12235..12255 | | |

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|---|---|---|---|
| Seq. No. | 7304 | Seq. ID | OJ990421_06.9923.C20 |
| Gene No. | 15369 | Strand | + |
| Start | 1583 | End | 1740 |
| Name | OJ990421_06.9923.C20.o1.gs | Method | GENSCAN |
| Start | 1583 | End | 1740 |
| GI | none | Score | .96 |
| Exons | 1583..1740 | | |

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|---|---|---|---|
| Seq. No. | 7304 | Seq. ID | OJ990421_06.9923.C20 |
| Gene No. | 15370 | Strand | + |
| Start | 4314 | End | 4474 |
| Name | OJ990421_06.9923.C20.o2.gs | Method | GENSCAN |
| Start | 4314 | End | 4474 |
| GI | none | Score | .96 |
| Exons | 4314..4474 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15371 | Strand | + |
| Start | 1 | End | 1304 |
| Name | OJ990421_06.9923.C21.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1301 |
| GI | 4097940 | Score | 901 |
| Exons | 1..822, 1207..1301 | | |
| GI Descrip. | (U72251) beta-1,3-glucanase precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15371 | Strand | + |
| Start | 1 | End | 1304 |
| Name | OJ990421_06.9923.C21.o1.gs | Method | GENSCAN |
| Start | 144 | End | 836 |
| GI | none | Score | 1 |
| Exons | 144..836 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15371 | Strand | + |
| Start | 1 | End | 1304 |
| Name | OJ990421_06.9923.C21.o2.gs | Method | GENSCAN |
| Start | 1149 | End | 1304 |
| GI | none | Score | .99 |
| Exons | 1149..1304 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o3.np | Method | AAT/NAP |
| Start | 1 | End | 4090 |

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|---|---|---|---|
| GI | 5803259 | Score | 277 |
| Exons | 1..105, 3359..4090 | | |
| GI Descrip. | (AP000399) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o1.tc | Method | TBLASTX:Cress |
| Start | 117 | End | 1301 |
| GI | none | Score | 70 |
| Exons | 117..230, 230..271, 234..344, 351..524, 398..520, 546..803, 551..799, 1224..1301 | | |

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| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o1.ts | Method | TBLASTX:Soybean |
| Start | 117 | End | 800 |
| GI | none | Score | 74 |
| Exons | 117..230, 237..275, 273..392, 399..524, 546..800, 551..799 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o1.tw | Method | TBLASTX:Wheat |
| Start | 117 | End | 374 |
| GI | none | Score | 147 |
| Exons | 117..272, 119..271, 273..374, 273..371, 278..373 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o1.gp | Method | AAT/GAP |
| Start | 122 | End | 1191 |
| GI | 124_1.R1084 | Score | 1009 |
| Exons | 122..822, 1147..1191 | | |
| GI Descrip. | '4884526/dbj\|BAA77783.1\| 1.0e-169 (AB027428) beta 1,3-glucanase [Oryza sativa]' | | |

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| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 542 | End | 821 |
| GI | none | Score | 217 |
| Exons | 542..820, 543..821 | | |

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| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o3.gs | Method | GENSCAN |
| Start | 1692 | End | 5807 |
| GI | none | Score | .67 |
| Exons | 1692..1810, 1915..2209, 2336..2613, 2884..3097, 3138..3262, 3346..3809, 4534..4614, 5240..5469, 5694..5807 | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |

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|---|---|---|---|
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o2.np | Method | AAT/NAP |
| Start | 1913 | End | 3636 |
| GI | 6721561 | Score | 985 |
| Exons | 1913..2675, 2757..2815, 2884..3066, 3570..3636 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7305 | Seq. ID | OJ990421_06.9923.C21 |
| Gene No. | 15372 | Strand | - |
| Start | 1 | End | 5807 |
| Name | OJ990421_06.9923.C21.o4.np | Method | AAT/NAP |
| Start | 3301 | End | 5024 |
| GI | 6721512 | Score | 107 |
| Exons | 3301..3320, 4710..4889, 4917..5024 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15373 | Strand | - |
| Start | 1274 | End | 2460 |
| Name | OJ990421_06.9923.C22.o1.gp | Method | AAT/GAP |
| Start | 1274 | End | 2384 |
| GI | 807_1.R1084 | Score | 1883 |
| Exons | 1274..2384 | | |
| GI Descrip. | '2623783 0.0e+00 (AF030166) glucanase [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15373 | Strand | - |
| Start | 1274 | End | 2460 |
| Name | OJ990421_06.9923.C22.o2.gs | Method | GENSCAN |
| Start | 1456 | End | 2384 |
| GI | none | Score | .99 |
| Exons | 1456..2384 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15373 | Strand | - |
| Start | 1274 | End | 2460 |
| Name | OJ990421_06.9923.C22.o1.np | Method | AAT/NAP |
| Start | 1459 | End | 2460 |
| GI | 4097938 | Score | 1465 |
| Exons | 1459..2460 | | |
| GI Descrip. | (U72250) beta-1,3-glucanase precursor [Oryza sativa] | | |

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| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15373 | Strand | - |
| Start | 1274 | End | 2460 |
| Name | OJ990421_06.9923.C22.o2.gp | Method | AAT/GAP |
| Start | 1764 | End | 2186 |
| GI | LIB3433-014-Q6-K1-G9 | Score | 603 |
| Exons | 1764..2087, 2143..2186 | | |
| GI Descrip. | '4097938 2.0e-49 (U72250) beta-1,3-glucanase precursor [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 1449 | End | 1740 |
| GI | none | Score | 193 |
| Exons | 1449..1595, 1450..1644, 1450..1740, 1478..1735 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 1456 | End | 1851 |
| GI | none | Score | 179 |
| Exons | 1456..1650, 1459..1851, 1460..1849, 1804..1851 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o1.tc | Method | TBLASTX:Cress |
| Start | 1459 | End | 2373 |
| GI | none | Score | 50 |
| Exons | 1459..1794, 1531..1569, 1577..1765, 1798..1938, 1933..2013, 2020..2163, 2212..2373 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o1.ts | Method | TBLASTX:Soybean |
| Start | 1459 | End | 2391 |
| GI | none | Score | 91 |
| Exons | 1459..1578, 1472..1579, 1579..1788, 1646..1765, 1816..1938, 1859..1912, 1943..2020, 1945..2019, 2081..2116, 2083..2391, 2318..2380 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o2.tm | Method | TBLASTX:Maize |
| Start | 1960 | End | 2390 |
| GI | none | Score | 113 |
| Exons | 1960..2163, 1970..2116, 2206..2388, 2206..2382, 2319..2390 | | |

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|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o2.tw | Method | TBLASTX:Wheat |
| Start | 1993 | End | 2346 |
| GI | none | Score | 79 |
| Exons | 1993..2088, 1993..2091, 2092..2136, 2093..2116, 2203..2346, 2203..2346 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7306 | Seq. ID | OJ990421_06.9923.C22 |
| Gene No. | 15374 | Strand | - |
| Start | 2385 | End | 2592 |
| Name | OJ990421_06.9923.C22.o3.gp | Method | AAT/GAP |
| Start | 2385 | End | 2592 |

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|---|---|---|---|
| GI | 2796754 | Score | 408 |
| Exons | 2385,.2592 | | |
| GI Descrip. | 4097937/gb\|U72250\|OSU72250 4.0e-95 Oryza sativa beta-1,3-glucanase precursor (Gns4) gene, complete cds | | |

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|---|---|---|---|
| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.ts | Method | TBLASTX:Soybean |
| Start | 892 | End | 1247 |
| GI | none | Score | 83 |
| Exons | 892..1011, 900..1037, 901..1038, 1038..1247, 1039..1155 | | |

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|---|---|---|---|
| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 906 | End | 1304 |
| GI | none | Score | 95 |
| Exons | 906..1304, 915..1016, 925..1056, 1093..1302 | | |

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|---|---|---|---|
| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.tc | Method | TBLASTX:Cress |
| Start | 909 | End | 1253 |
| GI | none | Score | 99 |
| Exons | 909..1001, 990..1031, 1035..1253, 1036..1155 | | |

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|---|---|---|---|
| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.gs | Method | GENSCAN |
| Start | 912 | End | 1211 |
| GI | none | Score | 1 |
| Exons | 912..1211 | | |

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| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.np | Method | AAT/NAP |
| Start | 915 | End | 1307 |
| GI | 4097936 | Score | 647 |
| Exons | 915..1307 | | |
| GI Descrip. | (U72249) beta-1,3-glucanase precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7307 | Seq. ID | OJ990421_06.9923.C23 |
| Gene No. | 15375 | Strand | - |
| Start | 912 | End | 1307 |
| Name | OJ990421_06.9923.C23.o1.tw | Method | TBLASTX:Wheat |
| Start | 918 | End | 1199 |
| GI | none | Score | 165 |
| Exons | 918..1199, 919..1155 | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15376 | Strand | + |
| Start | 7872 | End | 8378 |

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|---|---|---|---|
| Name | OJ990421_06.9923.C24.o4.gs | Method | GENSCAN |
| Start | 7872 | End | 8378 |
| GI | none | Score | .96 |
| Exons | 7872..8378 | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15377 | Strand | - |
| Start | 1 | End | 659 |
| Name | OJ990421_06.9923.C24.o1.np | Method | AAT/NAP |
| Start | 1 | End | 659 |
| GI | 4097936 | Score | 494 |
| Exons | 1..250, 581..659 | | |
| GI Descrip. | (U72249) beta-1,3-glucanase precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15377 | Strand | - |
| Start | 1 | End | 659 |
| Name | OJ990421_06.9923.C24.o1.gs | Method | GENSCAN |
| Start | 12 | End | 659 |
| GI | none | Score | .86 |
| Exons | 12..250, 581..659 | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15378 | Strand | - |
| Start | 2200 | End | 3838 |
| Name | OJ990421_06.9923.C24.o2.gs | Method | GENSCAN |
| Start | 2200 | End | 3231 |
| GI | none | Score | .97 |
| Exons | 2200..3231 | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15378 | Strand | - |
| Start | 2200 | End | 3838 |
| Name | OJ990421_06.9923.C24.o2.np | Method | AAT/NAP |
| Start | 2289 | End | 3838 |
| GI | 4097934 | Score | 1632 |
| Exons | 2289..3232, 3738..3838 | | |
| GI Descrip. | (U72248) beta-1,3-glucanase precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15378 | Strand | - |
| Start | 2200 | End | 3838 |
| Name | OJ990421_06.9923.C24.o1.gp | Method | AAT/GAP |
| Start | 2825 | End | 3263 |
| GI | LIB3432-005-P1-K1-D1 | Score | 823 |
| Exons | 2825..3263 | | |
| GI Descrip. | '4097934 3.0e-61 (U72248) beta-1,3-glucanase precursor [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15379 | Strand | - |
| Start | 4267 | End | 7831 |
| Name | OJ990421_06.9923.C24.o3.gs | Method | GENSCAN |
| Start | 4267 | End | 6171 |
| GI | none | Score | .8 |
| Exons | 4267..4403, 4842..5019, 5164..5298, 5803..5990, 6090..6171 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15379 | Strand | - |
| Start | 4267 | End | 7831 |
| Name | OJ990421_06.9923.C24.o3.np | Method | AAT/NAP |
| Start | 4738 | End | 7831 |
| GI | 6143863 | Score | 723 |
| Exons | 4738..5014, 5159..5298, 5407..5553, 5821..5990, 6090..6177, 6979..7180, 7682..7831 | | |
| GI Descrip. | (AC010927) putative RecA protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15380 | Strand | - |
| Start | 11455 | End | 13688 |
| Name | OJ990421_06.9923.C24.o5.gs | Method | GENSCAN |
| Start | 11455 | End | 13688 |
| GI | none | Score | .88 |
| Exons | 11455..11811, 11902..12031, 12124..12413, 12506..12687, 12768..12987, 13097..13115, 13202..13462, 13582..13688 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15380 | Strand | - |
| Start | 11455 | End | 13688 |
| Name | OJ990421_06.9923.C24.o4.np | Method | AAT/NAP |
| Start | 11464 | End | 13677 |
| GI | 2444271 | Score | 1503 |
| Exons | 11464..11811, 11902..12031, 12124..12413, 12506..12687, 12768..13002, 13198..13462, 13582..13677 | | |
| GI Descrip. | (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana] | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o2.tm | Method | TBLASTX:Maize |
| Start | 3 | End | 3237 |
| GI | none | Score | 69 |
| Exons | 3..239, 126..239, 2320..2406, 2321..2404, 2404..2427, 2408..2428, 2434..2487, 2435..2488, 2569..2619, 2578..2622, 2623..2712, 2689..2775, 2785..2928, 2786..2914, 2941..3039, 3061..3237 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o2.tc | Method | TBLASTX:Cress |
| Start | 6 | End | 3222 |
| GI | none | Score | 70 |
| Exons | 6..239, 10..237, 2320..2508, 2632..2697, 2701..2781, 2791..2883, 2944..3024, 3061..3222 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o2.tw | Method | TBLASTX:Wheat |
| Start | 6 | End | 3196 |
| GI | none | Score | 126 |
| Exons | 6..206, 10..207, 105..212, 131..211, 2849..2935, 2869..2934, | | |

2932..2979, 3049..3195, 3149..3196

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o1.ts | Method | TBLASTX:Soybean |
| Start | 9 | End | 3222 |
| GI | none | Score | 87 |
| Exons | 9..239, 10..237, 2290..2508, 2318..2353, 2411..2509, 2569..2625, 2701..2781, 2708..2782, 2791..2928, 2798..2917, 2917..3015, 3061..3222 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o1.tw | Method | TBLASTX:Wheat |
| Start | 2295 | End | 2509 |
| GI | none | Score | 203 |
| Exons | 2295..2447, 2320..2508, 2321..2509 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o6.tm | Method | TBLASTX:Maize |
| Start | 4864 | End | 5223 |
| GI | none | Score | 76 |
| Exons | 4864..4959, 4864..4959, 4865..4960, 4889..4975, 4954..5022, 4958..5020, 5168..5221, 5170..5223 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o5.tm | Method | TBLASTX:Maize |
| Start | 5224 | End | 6007 |
| GI | none | Score | 175 |
| Exons | 5224..5280, 5404..5553, 5404..5553, 5819..6007, 5849..5935, 5857..6006 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o3.ts | Method | TBLASTX:Soybean |
| Start | 5857 | End | 6166 |
| GI | none | Score | 52 |
| Exons | 5857..5991, 5858..5992, 6073..6165, 6089..6166 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 11467 | End | 15157 |
| GI | none | Score | 80 |
| Exons | 11467..11580, 11468..11584, 11582..11839, 11587..11811, 11893..12033, 11905..12033, 12123..12212, 12124..12213, 14397..14504, 14397..14504, 14398..14508, 14502..14735, 14511..14735, 14599..14736, 14834..14965, 14837..14965, 14841..14969, 15064..15153, 15065..15157 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o1.tc | Method | TBLASTX:Cress |
| Start | 11470 | End | 16816 |
| GI | none | Score | 68 |
| Exons | 11470..11577, 11480..11578, 11587..11811, 11591..11812, 11902..12033, 11903..12034, 12123..12410, 12124..12411, 12506..12688, 12507..12689, 12766..13020, 12775..13020, 13196..13324, 13198..13455, 13202..13456, 13373..13462, 13581..13646, 13582..13617, 14395..14502, 14397..14501, 14511..14537, 14515..14736, 14589..14735, 14834..14965, 14835..14969, 15064..15372, 15065..15352, 15450..15650, 15453..15590, 15454..15645, 15762..15980, 15771..16001, 16101..16130, 16369..16479, 16370..16627, 16374..16631, 16742..16816, 16755..16790 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o3.tm | Method | TBLASTX:Maize |
| Start | 12659 | End | 15986 |
| GI | none | Score | 192 |
| Exons | 12659..12688, 12766..12990, 12767..12991, 15615..15644, 15756..15980, 15771..15986 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o4.tm | Method | TBLASTX:Maize |
| Start | 13190 | End | 16640 |
| GI | none | Score | 126 |
| Exons | 13190..13453, 13201..13446, 16372..16503, 16373..16618, 16386..16640 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o2.ts | Method | TBLASTX:Soybean |
| Start | 13223 | End | 16798 |
| GI | none | Score | 60 |
| Exons | 13223..13285, 13228..13284, 13288..13407, 13292..13450, 16395..16457, 16400..16456, 16460..16639, 16464..16622, 16754..16798 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |
| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o6.gs | Method | GENSCAN |
| Start | 14376 | End | 16843 |
| GI | none | Score | .87 |
| Exons | 14376..14735, 14765..14942, 15065..15354, 15462..15643, 15764..15983, 16101..16119, 16374..16634, 16755..16843 | | |

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| Seq. No. | 7308 | Seq. ID | OJ990421_06.9923.C24 |
| Gene No. | 15381 | Strand | - |

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| Start | 14376 | End | 16855 |
| Name | OJ990421_06.9923.C24.o5.np | Method | AAT/NAP |
| Start | 14388 | End | 16855 |
| GI | 2444271 | Score | 1510 |
| Exons | 14388..14735, 14834..14963, 15065..15354, 15462..15643, 15764..15998, 16370..16634, 16755..16855 | | |
| GI Descrip. | (AF019637) putative amino acid or GABA permease [Arabidopsis thaliana] | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15382 | Strand | + |
| Start | 1 | End | 334 |
| Name | OJ990421_06.9923.C25.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 334 |
| GI | none | Score | 656 |
| Exons | 1..334 | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15383 | Strand | + |
| Start | 2100 | End | 2510 |
| Name | OJ990421_06.9923.C25.o2.gp | Method | AAT/GAP |
| Start | 2100 | End | 2510 |
| GI | LIB3431-022-P1-N1-F9 | Score | 810 |
| Exons | 2100..2510 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o1.gs | Method | GENSCAN |
| Start | 236 | End | 5551 |
| GI | none | Score | .66 |
| Exons | 236..592, 680..788, 911..1200, 1292..1473, 1569..1788, 2247..2436, 3391..3555, 3835..4095, 4197..4402, 4802..4861, 5109..5283, 5463..5551 | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o1.np | Method | AAT/NAP |
| Start | 248 | End | 5098 |
| GI | 4262224 | Score | 1583 |
| Exons | 248..592, 680..809, 911..1200, 1292..1473, 1569..1788, 3813..4095, 4197..4255, 5056..5098 | | |
| GI Descrip. | (AC006200) putative amino acid permease [Arabidopsis thaliana] | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 251 | End | 1000 |
| GI | none | Score | 62 |
| Exons | 251..337, 257..592, 258..593, 553..594, 683..823, 683..811, 687..827, 715..822, 911..1000, 922..999 | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |

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|---|---|---|---|
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 255 | End | 4258 |
| GI | none | Score | 234 |
| Exons | 255..593, 257..592, 680..811, 681..812, 683..823, 736..822, 911..1006, 922..1212, 1067..1201, 1292..1480, 1299..1481, 1567..1788, 1576..1653, 1705..1791, 3783..3983, 3823..4095, 3832..3891, 3834..4097, 4196..4258, 4197..4244 | | |

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| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o2.tm | Method | TBLASTX:Maize |
| Start | 1445 | End | 1791 |
| GI | none | Score | 202 |
| Exons | 1445..1474, 1567..1788, 1568..1789, 1576..1791, 1697..1789 | | |

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|---|---|---|---|
| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o3.gp | Method | AAT/GAP |
| Start | 2536 | End | 3087 |
| GI | 9531_1.R1084 | Score | 1056 |
| Exons | 2536..3087 | | |
| GI Descrip. | '5295954/dbj\|BAA81855.1\| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o3.tm | Method | TBLASTX:Maize |
| Start | 3834 | End | 4097 |
| GI | none | Score | 109 |
| Exons | 3834..3983, 3834..4097, 3847..4086 | | |

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|---|---|---|---|
| Seq. No. | 7309 | Seq. ID | OJ990421_06.9923.C25 |
| Gene No. | 15384 | Strand | - |
| Start | 236 | End | 5551 |
| Name | OJ990421_06.9923.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 3855 | End | 4243 |
| GI | none | Score | 70 |
| Exons | 3855..3917, 3856..3918, 3921..4040, 3925..4083, 4032..4082, 4175..4243 | | |

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|---|---|---|---|
| Seq. No. | 7310 | Seq. ID | OJ990421_06.9923.C26 |
| Gene No. | 15385 | Strand | + |
| Start | 1 | End | 1120 |
| Name | OJ990421_06.9923.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1107 |
| GI | 6714289 | Score | 107 |
| Exons | 1..26, 523..630, 730..801, 1045..1107 | | |
| GI Descrip. | (AC013354) F15H18.13 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7310 | Seq. ID | OJ990421_06.9923.C26 |
| Gene No. | 15385 | Strand | + |
| Start | 1 | End | 1120 |

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|---|---|---|---|
| Name | OJ990421_06.9923.C26.o1.gp | Method | AAT/GAP |
| Start | 705 | End | 1120 |
| GI | 2428226 | Score | 260 |
| Exons | 705..801, 1045..1120 | | |
| GI Descrip. | 2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7310 | Seq. ID | OJ990421_06.9923.C26 |
| Gene No. | 15386 | Strand | - |
| Start | 41 | End | 1212 |
| Name | OJ990421_06.9923.C26.o1.gs | Method | GENSCAN |
| Start | 41 | End | 1212 |
| GI | none | Score | .89 |
| Exons | 41..293, 1119..1212 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7311 | Seq. ID | OJ990421_06.9923.C28 |
| Gene No. | 15387 | Strand | - |
| Start | 1 | End | 208 |
| Name | OJ990421_06.9923.C28.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 135 |
| GI | uC-osflm202113d05b1 | Score | 250 |
| Exons | 1..135 | | |
| GI Descrip. | '5922636/dbj\|BAA84637.1\| 1.0e-14 (AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] >gi_6016869_dbj_BAA85212.1_ (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7311 | Seq. ID | OJ990421_06.9923.C28 |
| Gene No. | 15387 | Strand | - |
| Start | 1 | End | 208 |
| Name | OJ990421_06.9923.C28.o1.gs | Method | GENSCAN |
| Start | 11 | End | 208 |
| GI | none | Score | .59 |
| Exons | 11..208 | | |

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|---|---|---|---|
| Seq. No. | 7312 | Seq. ID | OJ990421_06.9923.C30 |
| Gene No. | 15388 | Strand | + |
| Start | 204 | End | 652 |
| Name | OJ990421_06.9923.C30.o1.tm | Method | TBLASTX:Maize |
| Start | 5 | End | 652 |
| GI | none | Score | 38 |
| Exons | 5..88, 12..101, 47..88, 100..180, 100..153, 100..246, 100..183, 108..155, 118..171, 171..227, 173..277, 188..280, 189..281, 189..284, 216..368, 230..370, 239..364, 240..371, 254..367, 255..374, 261..362, 262..378, 266..346, 390..503, 393..500, 394..501, 400..549, 400..519, 401..502, 409..498, 416..496, 417..515, 418..501, 419..550, 434..502, 529..651, 541..639, 544..615, 551..652, 575..652 | | |

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|---|---|---|---|
| Seq. No. | 7312 | Seq. ID | OJ990421_06.9923.C30 |
| Gene No. | 15388 | Strand | + |
| Start | 204 | End | 652 |
| Name | OJ990421_06.9923.C30.o1.gs | Method | GENSCAN |
| Start | 204 | End | 341 |
| GI | none | Score | .55 |

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|---|---|---|---|
| Exons | 204..341 | | |
| Seq. No. | 7313 | Seq. ID | OJ990421_06.9923.C31 |
| Gene No. | 15389 | Strand | + |
| Start | 366 | End | 563 |
| Name | OJ990421_06.9923.C31.o1.gs | Method | GENSCAN |
| Start | 366 | End | 563 |
| GI | none | Score | .81 |
| Exons | 366..563 | | |
| Seq. No. | 7313 | Seq. ID | OJ990421_06.9923.C31 |
| Gene No. | 15390 | Strand | - |
| Start | 978 | End | 1081 |
| Name | OJ990421_06.9923.C31.o1.gp | Method | AAT/GAP |
| Start | 978 | End | 1081 |
| GI | 69953_1.R1084 | Score | 130 |
| Exons | 978..1081 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |
| Seq. No. | 7314 | Seq. ID | OJ990421_06.9923.C34 |
| Gene No. | 15391 | Strand | - |
| Start | 496 | End | 632 |
| Name | OJ990421_06.9923.C34.o1.gs | Method | GENSCAN |
| Start | 496 | End | 632 |
| GI | none | Score | .69 |
| Exons | 496..632 | | |
| Seq. No. | 7315 | Seq. ID | OJ990421_06.9923.C35 |
| Gene No. | 15392 | Strand | + |
| Start | 983 | End | 1293 |
| Name | OJ990421_06.9923.C35.o1.np | Method | AAT/NAP |
| Start | 983 | End | 1293 |
| GI | 4097938 | Score | 90 |
| Exons | 983..1080, 1252..1293 | | |
| GI Descrip. | (U72250) beta-1,3-glucanase precursor [Oryza sativa] | | |
| Seq. No. | 7315 | Seq. ID | OJ990421_06.9923.C35 |
| Gene No. | 15393 | Strand | - |
| Start | 619 | End | 768 |
| Name | OJ990421_06.9923.C35.o1.gs | Method | GENSCAN |
| Start | 619 | End | 768 |
| GI | none | Score | .98 |
| Exons | 619..768 | | |
| Seq. No. | 7316 | Seq. ID | OJ990421_06.9923.C39 |
| Gene No. | 15394 | Strand | - |
| Start | 24 | End | 78 |
| Name | OJ990421_06.9923.C39.o1.gs | Method | GENSCAN |
| Start | 24 | End | 78 |
| GI | none | Score | .91 |
| Exons | 24..78 | | |
| Seq. No. | 7317 | Seq. ID | OJ990421_06.9923.C41 |
| Gene No. | 15395 | Strand | - |
| Start | 302 | End | 409 |
| Name | OJ990421_06.9923.C41.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 302 | End | 409 |
| GI | none | Score | .83 |
| Exons | 302..409 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o1.gs | Method | GENSCAN |
| Start | 3020 | End | 13500 |
| GI | none | Score | .47 |
| Exons | 3020..3684, 3760..4259, 4850..4909, 5465..5641, 5970..6221, 8934..9067, 11271..11417, 13405..13500 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o3.tm | Method | TBLASTX:Maize |
| Start | 3581 | End | 3889 |
| GI | none | Score | 61 |
| Exons | 3581..3619, 3646..3831, 3689..3889, 3701..3889 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o5.tw | Method | TBLASTX:Wheat |
| Start | 5055 | End | 5414 |
| GI | none | Score | 99 |
| Exons | 5055..5186, 5059..5184, 5185..5409, 5229..5276, 5328..5414 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o4.tm | Method | TBLASTX:Maize |
| Start | 5467 | End | 6181 |
| GI | none | Score | 122 |
| Exons | 5467..5643, 5475..5660, 5651..5962, 5773..5895, 5936..6064, 5947..6093, 6119..6181, 6121..6180 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o1.tw | Method | TBLASTX:Wheat |
| Start | 5651 | End | 6043 |
| GI | none | Score | 340 |
| Exons | 5651..6043, 5701..6033 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 6320 | End | 7291 |
| GI | none | Score | 92 |
| Exons | 6320..6424, 6343..6420, 6397..6969, 6427..6717, 6684..6941, 6929..7291 | | |

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| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |

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|---|---|---|---|
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o4.tw | Method | TBLASTX:Wheat |
| Start | 6394 | End | 6681 |
| GI | none | Score | 265 |
| Exons | 6394..6681, 6423..6644, 6424..6645 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o6.tw | Method | TBLASTX:Wheat |
| Start | 6682 | End | 6957 |
| GI | none | Score | 100 |
| Exons | 6682..6795, 6684..6764, 6805..6957 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 6886 | End | 7411 |
| GI | none | Score | 57 |
| Exons | 6886..6942, 7003..7044, 7013..7240, 7123..7212, 7307..7411 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o3.tw | Method | TBLASTX:Wheat |
| Start | 7037 | End | 7585 |
| GI | none | Score | 168 |
| Exons | 7037..7282, 7277..7408, 7487..7585 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 7448 | End | 7955 |
| GI | none | Score | 332 |
| Exons | 7448..7702, 7483..7713, 7484..7855, 7887..7955, 7889..7951 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o2.tw | Method | TBLASTX:Wheat |
| Start | 7679 | End | 8048 |
| GI | none | Score | 147 |
| Exons | 7679..7882, 7866..8048, 7889..8047 | | |

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|---|---|---|---|
| Seq. No. | 7318 | Seq. ID | OJ990421_01.9922.C1 |
| Gene No. | 15396 | Strand | + |
| Start | 3020 | End | 13500 |
| Name | OJ990421_01.9922.C1.o5.tm | Method | TBLASTX:Maize |
| Start | 8127 | End | 8417 |
| GI | none | Score | 172 |
| Exons | 8127..8324, 8162..8239, 8181..8312, 8319..8417 | | |

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|---|---|---|---|
| Seq. No. | 7319 | Seq. ID | OJ990421_01.9922.C2 |
| Gene No. | 15397 | Strand | + |
| Start | 1001 | End | 3387 |

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|---|---|---|---|
| Name | OJ990421_01.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1001 | End | 3387 |
| GI | 5852180 | Score | 574 |
| Exons | 1001..1048, 2037..2153, 2205..2616, 3317..3387 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7319 | Seq. ID | OJ990421_01.9922.C2 |
| Gene No. | 15398 | Strand | - |
| Start | 1716 | End | 4416 |
| Name | OJ990421_01.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 897 | End | 1281 |
| GI | uC-osflcyp033a04b1 | Score | 620 |
| Exons | 897..1281 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7319 | Seq. ID | OJ990421_01.9922.C2 |
| Gene No. | 15398 | Strand | - |
| Start | 1716 | End | 4416 |
| Name | OJ990421_01.9922.C2.o1.gs | Method | GENSCAN |
| Start | 1716 | End | 4416 |
| GI | none | Score | .71 |
| Exons | 1716..1801, 2096..2653, 4191..4416 | | |

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|---|---|---|---|
| Seq. No. | 7319 | Seq. ID | OJ990421_01.9922.C2 |
| Gene No. | 15399 | Strand | - |
| Start | 5382 | End | 7019 |
| Name | OJ990421_01.9922.C2.o2.gs | Method | GENSCAN |
| Start | 5382 | End | 7019 |
| GI | none | Score | .62 |
| Exons | 5382..5537, 5646..7019 | | |

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|---|---|---|---|
| Seq. No. | 7319 | Seq. ID | OJ990421_01.9922.C2 |
| Gene No. | 15399 | Strand | - |
| Start | 5382 | End | 7019 |
| Name | OJ990421_01.9922.C2.o2.np | Method | AAT/NAP |
| Start | 5699 | End | 6730 |
| GI | 161752 | Score | 100 |
| Exons | 5699..5801, 6069..6147, 6293..6368, 6402..6535, 6653..6730 | | |
| GI Descrip. | (L03710) cnjB [Tetrahymena thermophila] gi\|737494\|prf\|\|1922371A cnjB gene [Tetrahymena thermophila] | | |

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|---|---|---|---|
| Seq. No. | 7320 | Seq. ID | OJ990421_01.9922.C3 |
| Gene No. | 15400 | Strand | + |
| Start | 122 | End | 600 |
| Name | OJ990421_01.9922.C3.o1.gs | Method | GENSCAN |
| Start | 122 | End | 600 |
| GI | none | Score | .67 |
| Exons | 122..203, 314..600 | | |

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|---|---|---|---|
| Seq. No. | 7321 | Seq. ID | OJ990421_01.9922.C4 |
| Gene No. | 15401 | Strand | - |
| Start | 1 | End | 1975 |
| Name | OJ990421_01.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1559 |
| GI | 4680179 | Score | 587 |
| Exons | 1..27, 298..533, 702..1559 | | |

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

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|---|---|---|---|
| Seq. No. | 7321 | Seq. ID | OJ990421_01.9922.C4 |
| Gene No. | 15401 | Strand | - |
| Start | 1 | End | 1975 |
| Name | OJ990421_01.9922.C4.o1.gs | Method | GENSCAN |
| Start | 189 | End | 1975 |
| GI | none | Score | .57 |
| Exons | 189..1538, 1910..1975 | | |

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|---|---|---|---|
| Seq. No. | 7321 | Seq. ID | OJ990421_01.9922.C4 |
| Gene No. | 15401 | Strand | - |
| Start | 1 | End | 1975 |
| Name | OJ990421_01.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 777 | End | 1076 |
| GI | none | Score | 75 |
| Exons | 777..1076, 973..1062 | | |

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|---|---|---|---|
| Seq. No. | 7321 | Seq. ID | OJ990421_01.9922.C4 |
| Gene No. | 15401 | Strand | - |
| Start | 1 | End | 1975 |
| Name | OJ990421_01.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 957 | End | 1316 |
| GI | none | Score | 54 |
| Exons | 957..1247, 957..1316, 961..1314 | | |

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |
| Name | OJ990421_01.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 440 |
| GI | 729092 | Score | 575 |
| Exons | 1..440 | | |

GI Descrip. CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM AK1 (CDPK) gi|477484|pir||A49082 calcium-dependent protein kinase isoform AK1 - Arabidopsis thaliana gi|304105 (L14771) calcium-dependent protein kinase [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |
| Name | OJ990421_01.9922.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 200 |
| GI | none | Score | 119 |
| Exons | 1..183, 3..200 | | |

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |
| Name | OJ990421_01.9922.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 1 | End | 377 |
| GI | none | Score | 56 |
| Exons | 1..81, 3..377, 12..107, 130..300 | | |

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |

| | | | |
|---|---|---|---|
| Name | OJ990421_01.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 333 |
| GI | none | Score | 240 |
| Exons | 1..297, 3..332, 286..333 | | |

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |
| Name | OJ990421_01.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 1 | End | 428 |
| GI | none | Score | 146 |
| Exons | 1..297, 3..428, 349..420 | | |

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|---|---|---|---|
| Seq. No. | 7322 | Seq. ID | OJ990421_01.9922.C5 |
| Gene No. | 15402 | Strand | - |
| Start | 1 | End | 440 |
| Name | OJ990421_01.9922.C5.o1.gs | Method | GENSCAN |
| Start | 9 | End | 374 |
| GI | none | Score | .91 |
| Exons | 9..374 | | |

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|---|---|---|---|
| Seq. No. | 7323 | Seq. ID | OJ990421_01.9922.C6 |
| Gene No. | 15403 | Strand | + |
| Start | 366 | End | 497 |
| Name | OJ990421_01.9922.C6.o1.gs | Method | GENSCAN |
| Start | 366 | End | 497 |
| GI | none | Score | .91 |
| Exons | 366..497 | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 6472 |
| GI | 4680207 | Score | 978 |
| Exons | 1..1134, 5770..6472 | | |
| GI Descrip. | (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.gs | Method | GENSCAN |
| Start | 24 | End | 6428 |
| GI | none | Score | .44 |
| Exons | 24..1078, 3565..3664, 3989..4544, 5770..6428 | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 93 | End | 4504 |
| GI | none | Score | 74 |
| Exons | 93..218, 105..263, 360..416, 498..581, 600..674, 666..881, 690..788, 900..983, 901..960, 1009..1137, 1089..1178, 3974..4252, 4229..4303, 4415..4504 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 150 | End | 6008 |
| GI | none | Score | 52 |
| Exons | 150..290, 504..578, 684..857, 685..810, 852..980, 853..960, 1164..1220, 4010..4183, 4011..4136, 4178..4270, 4179..4271, 4490..4546, 5946..6008, 5950..6006 | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 165 | End | 590 |
| GI | none | Score | 175 |
| Exons | 165..278, 330..590 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 309 | End | 713 |
| GI | none | Score | 65 |
| Exons | 309..356, 369..473, 472..582, 480..584, 588..713, 592..702 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 642 | End | 4213 |
| GI | none | Score | 133 |
| Exons | 642..887, 643..879, 4004..4213, 4008..4205 | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 714 | End | 4297 |
| GI | none | Score | 94 |
| Exons | 714..884, 733..885, 903..974, 904..978, 4011..4289, 4013..4231, 4226..4297 | | |

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|---|---|---|---|
| Seq. No. | 7324 | Seq. ID | OJ990421_01.9922.C7 |
| Gene No. | 15404 | Strand | - |
| Start | 1 | End | 6472 |
| Name | OJ990421_01.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 892 | End | 4547 |
| GI | none | Score | 68 |
| Exons | 892..975, 903..974, 998..1075, 999..1076, 1098..1220, 1099..1221, 4218..4289, 4226..4297, 4324..4404, 4424..4546, 4464..4547 | | |

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|---|---|---|---|
| Seq. No. | 7325 | Seq. ID | OJ990421_01.9922.C8 |
| Gene No. | 15405 | Strand | + |
| Start | 859 | End | 1024 |
| Name | OJ990421_01.9922.C8.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 859 | End | 1024 |
| GI | none | Score | .86 |
| Exons | 859..1024 | | |

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|---|---|---|---|
| Seq. No. | 7325 | Seq. ID | OJ990421_01.9922.C8 |
| Gene No. | 15406 | Strand | + |
| Start | 4578 | End | 5410 |
| Name | OJ990421_01.9922.C8.o1.np | Method | AAT/NAP |
| Start | 4541 | End | 4858 |
| GI | 6539588 | Score | 100 |
| Exons | 4541..4858 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7325 | Seq. ID | OJ990421_01.9922.C8 |
| Gene No. | 15406 | Strand | + |
| Start | 4578 | End | 5410 |
| Name | OJ990421_01.9922.C8.o2.gs | Method | GENSCAN |
| Start | 4578 | End | 5410 |
| GI | none | Score | .78 |
| Exons | 4578..4802, 5285..5410 | | |

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|---|---|---|---|
| Seq. No. | 7325 | Seq. ID | OJ990421_01.9922.C8 |
| Gene No. | 15407 | Strand | - |
| Start | 6252 | End | 7269 |
| Name | OJ990421_01.9922.C8.o3.gs | Method | GENSCAN |
| Start | 6252 | End | 7269 |
| GI | none | Score | .63 |
| Exons | 6252..6505, 7230..7269 | | |

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|---|---|---|---|
| Seq. No. | 7326 | Seq. ID | OJ990421_01.9922.C10 |
| Gene No. | 15408 | Strand | + |
| Start | 93 | End | 551 |
| Name | OJ990421_01.9922.C10.o1.gs | Method | GENSCAN |
| Start | 93 | End | 551 |
| GI | none | Score | .54 |
| Exons | 93..169, 339..551 | | |

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|---|---|---|---|
| Seq. No. | 7326 | Seq. ID | OJ990421_01.9922.C10 |
| Gene No. | 15409 | Strand | + |
| Start | 478 | End | 696 |
| Name | OJ990421_01.9922.C10.o1.np | Method | AAT/NAP |
| Start | 478 | End | 696 |
| GI | 4680186 | Score | 289 |
| Exons | 478..696 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7326 | Seq. ID | OJ990421_01.9922.C10 |
| Gene No. | 15410 | Strand | - |
| Start | 359 | End | 629 |
| Name | OJ990421_01.9922.C10.o1.gp | Method | AAT/GAP |
| Start | 359 | End | 629 |
| GI | uC-osflcyp033a04b1 | Score | 451 |
| Exons | 359..629 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |

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|---|---|---|---|
| Gene No. | 15411 | Strand | + |
| Start | 2450 | End | 7506 |
| Name | OJ990421_01.9922.C11.o3.np | Method | AAT/NAP |
| Start | 2450 | End | 7506 |
| GI | 4680186 | Score | 346 |
| Exons | 2450..2490, 6410..6465, 7305..7506 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.gs | Method | GENSCAN |
| Start | 619 | End | 7334 |
| GI | none | Score | .57 |
| Exons | 619..2765, 2836..5107, 5334..5362, 5401..5569, 5628..6167, 7269..7334 | | |

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|---|---|---|---|
| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.np | Method | AAT/NAP |
| Start | 622 | End | 5110 |
| GI | 4680179 | Score | 5298 |
| Exons | 622..3991, 4025..5110 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o5.tw | Method | TBLASTX:Wheat |
| Start | 667 | End | 1000 |
| GI | none | Score | 121 |
| Exons | 667..999, 688..996, 767..1000 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 847 | End | 1446 |
| GI | none | Score | 241 |
| Exons | 847..1287, 863..1288, 1285..1446, 1292..1438 | | |

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|---|---|---|---|
| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 1000 | End | 1626 |
| GI | none | Score | 266 |
| Exons | 1000..1626, 1001..1570 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 1495 | End | 1787 |
| GI | none | Score | 212 |
| Exons | 1495..1785, 1499..1786, 1599..1787 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 1584 | End | 1845 |
| GI | none | Score | 155 |
| Exons | 1584..1766, 1585..1845, 1586..1840 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 1609 | End | 1926 |
| GI | none | Score | 85 |
| Exons | 1609..1752, 1610..1750, 1753..1926 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o2.tw | Method | TBLASTX:Wheat |
| Start | 1633 | End | 2200 |
| GI | none | Score | 334 |
| Exons | 1633..2169, 1634..2200 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 2191 | End | 2554 |
| GI | none | Score | 152 |
| Exons | 2191..2553, 2200..2553, 2204..2554 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o3.tw | Method | TBLASTX:Wheat |
| Start | 2203 | End | 2625 |
| GI | none | Score | 349 |
| Exons | 2203..2625, 2204..2593 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 2374 | End | 2619 |
| GI | none | Score | 66 |
| Exons | 2374..2619, 2474..2602 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 2560 | End | 2875 |
| GI | none | Score | 45 |
| Exons | 2560..2658, 2560..2667, 2652..2810, 2653..2808, 2828..2875 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o7.tw | Method | TBLASTX:Wheat |
| Start | 2640 | End | 2896 |
| GI | none | Score | 109 |
| Exons | 2640..2804, 2641..2811, 2641..2772, 2643..2810, 2804..2896, 2808..2894, 2825..2896 | | |

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|---|---|---|---|
| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 2641 | End | 3004 |
| GI | none | Score | 136 |
| Exons | 2641..2811, 2643..2810, 2804..2968, 2823..2900, 2825..2968, 2972..3004, 2973..3002 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 2891 | End | 3322 |
| GI | none | Score | 76 |
| Exons | 2891..3322, 2898..3092 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o4.tw | Method | TBLASTX:Wheat |
| Start | 2945 | End | 3427 |
| GI | none | Score | 217 |
| Exons | 2945..3322, 2988..3323, 3377..3427 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o8.tw | Method | TBLASTX:Wheat |
| Start | 3527 | End | 3964 |
| GI | none | Score | 69 |
| Exons | 3527..3568, 3596..3709, 3597..3710, 3755..3964, 3756..3908 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o7.tm | Method | TBLASTX:Maize |
| Start | 3647 | End | 4000 |
| GI | none | Score | 192 |
| Exons | 3647..4000 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o6.tw | Method | TBLASTX:Wheat |
| Start | 4283 | End | 4634 |
| GI | none | Score | 112 |
| Exons | 4283..4633, 4440..4634 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 4328 | End | 4633 |
| GI | none | Score | 90 |
| Exons | 4328..4633, 4503..4619 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o2.np | Method | AAT/NAP |
| Start | 4349 | End | 6166 |
| GI | 4512231 | Score | 144 |
| Exons | 4349..4382, 5596..6166 | | |
| GI Descrip. | (AB014741) ORF0 protein [Oryza sativa] | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o9.tw | Method | TBLASTX:Wheat |
| Start | 4668 | End | 4867 |
| GI | none | Score | 115 |
| Exons | 4668..4865, 4670..4867 | | |

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| Seq. No. | 7327 | Seq. ID | OJ990421_01.9922.C11 |
| Gene No. | 15412 | Strand | - |
| Start | 619 | End | 7439 |
| Name | OJ990421_01.9922.C11.o1.gp | Method | AAT/GAP |
| Start | 7056 | End | 7439 |
| GI | uC-osflcyp033a04b1 | Score | 669 |
| Exons | 7056..7439 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15413 | Strand | + |
| Start | 199 | End | 3960 |
| Name | OJ990421_01.9922.C12.o1.np | Method | AAT/NAP |
| Start | 199 | End | 3960 |
| GI | 4680179 | Score | 5958 |
| Exons | 199..3960 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o7.tw | Method | TBLASTX:Wheat |
| Start | 531 | End | 935 |
| GI | none | Score | 142 |
| Exons | 531..737, 581..679, 765..935, 791..934 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o3.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 1110 | End | 1592 |
| GI | none | Score | 538 |
| Exons | 1110..1592, 1214..1549 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o5.tm | Method | TBLASTX:Maize |
| Start | 1120 | End | 1411 |
| GI | none | Score | 93 |
| Exons | 1120..1395, 1121..1402, 1122..1409, 1220..1411 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o3.ts | Method | TBLASTX:Soybean |
| Start | 1146 | End | 1460 |
| GI | none | Score | 186 |
| Exons | 1146..1460, 1262..1459 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 1479 | End | 1979 |
| GI | none | Score | 161 |
| Exons | 1479..1658, 1644..1979, 1730..1861, 1731..1940 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 1533 | End | 1928 |
| GI | none | Score | 57 |
| Exons | 1533..1565, 1569..1928, 1569..1799, 1685..1927 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o5.tw | Method | TBLASTX:Wheat |
| Start | 1641 | End | 1943 |
| GI | none | Score | 375 |
| Exons | 1641..1943, 1642..1728, 1679..1942 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 1944 | End | 2453 |
| GI | none | Score | 596 |
| Exons | 1944..2453, 1976..2287, 2022..2354, 2330..2362 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o4.ts | Method | TBLASTX:Soybean |
| Start | 1950 | End | 2195 |

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|---|---|---|---|
| GI | none | Score | 181 |
| Exons | 1950..2195, 1973..2194 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 2016 | End | 2374 |
| GI | none | Score | 455 |
| Exons | 2016..2369, 2018..2194, 2019..2354, 2036..2374 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o4.tw | Method | TBLASTX:Wheat |
| Start | 2457 | End | 2937 |
| GI | none | Score | 416 |
| Exons | 2457..2852, 2490..2837, 2681..2851, 2701..2871, 2800..2937, 2838..2936 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 2643 | End | 2961 |
| GI | none | Score | 91 |
| Exons | 2643..2816, 2821..2961, 2835..2960 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 2724 | End | 2985 |
| GI | none | Score | 110 |
| Exons | 2724..2837, 2729..2833, 2797..2985, 2847..2984 | | |

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| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 2783 | End | 3075 |
| GI | none | Score | 69 |
| Exons | 2783..2836, 2784..2852, 2836..3069, 2842..3075, 2847..3071 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 2944 | End | 3583 |
| GI | none | Score | 432 |
| Exons | 2944..3333, 2946..3332, 3353..3583, 3454..3582 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 3124 | End | 3735 |

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|---|---|---|---|
| GI | none | Score | 208 |
| Exons | 3124..3285, 3126..3278, 3282..3332, 3283..3333, 3338..3649, 3416..3580, 3463..3597, 3645..3677, 3648..3722, 3649..3735 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o6.tw | Method | TBLASTX:Wheat |
| Start | 3583 | End | 3950 |
| GI | none | Score | 84 |
| Exons | 3583..3648, 3584..3649, 3649..3915, 3675..3797, 3897..3950 | | |

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|---|---|---|---|
| Seq. No. | 7328 | Seq. ID | OJ990421_01.9922.C12 |
| Gene No. | 15414 | Strand | - |
| Start | 4228 | End | 4684 |
| Name | OJ990421_01.9922.C12.o2.np | Method | AAT/NAP |
| Start | 4228 | End | 4684 |
| GI | 6721559 | Score | 380 |
| Exons | 4228..4363, 4394..4684 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7329 | Seq. ID | OJ990421_01.9922.C13 |
| Gene No. | 15415 | Strand | - |
| Start | 829 | End | 6680 |
| Name | OJ990421_01.9922.C13.o1.np | Method | AAT/NAP |
| Start | 829 | End | 6680 |
| GI | 4680183 | Score | 174 |
| Exons | 829..918, 1528..1595, 6662..6680 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7329 | Seq. ID | OJ990421_01.9922.C13 |
| Gene No. | 15415 | Strand | - |
| Start | 829 | End | 6680 |
| Name | OJ990421_01.9922.C13.o1.gs | Method | GENSCAN |
| Start | 873 | End | 3167 |
| GI | none | Score | .6 |
| Exons | 873..999, 3026..3167 | | |

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|---|---|---|---|
| Seq. No. | 7329 | Seq. ID | OJ990421_01.9922.C13 |
| Gene No. | 15415 | Strand | - |
| Start | 829 | End | 6680 |
| Name | OJ990421_01.9922.C13.o2.np | Method | AAT/NAP |
| Start | 4703 | End | 5714 |
| GI | 3894163 | Score | 148 |
| Exons | 4703..4860, 4916..5132, 5597..5714 | | |
| GI Descrip. | (AC005312) putative phloem-specific lectin [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7329 | Seq. ID | OJ990421_01.9922.C13 |
| Gene No. | 15415 | Strand | - |
| Start | 829 | End | 6680 |
| Name | OJ990421_01.9922.C13.o2.gs | Method | GENSCAN |
| Start | 4706 | End | 6057 |
| GI | none | Score | .94 |
| Exons | 4706..5132, 5982..6057 | | |

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|---|---|---|---|
| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15416 | Strand | + |
| Start | 2593 | End | 6066 |
| Name | OJ990421_01.9922.C14.o2.gs | Method | GENSCAN |
| Start | 2593 | End | 6066 |
| GI | none | Score | .51 |
| Exons | 2593..2796, 5167..5270, 5331..5496, 5896..6066 | | |

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|---|---|---|---|
| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15417 | Strand | - |
| Start | 596 | End | 4228 |
| Name | OJ990421_01.9922.C14.o1.np | Method | AAT/NAP |
| Start | 596 | End | 4228 |
| GI | 4773893 | Score | 292 |
| Exons | 596..886, 991..1127, 1825..2102, 2480..2634, 4141..4228 | | |
| GI Descrip. | (AF076243) putative receptor-like protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15418 | Strand | - |
| Start | 5222 | End | 5730 |
| Name | OJ990421_01.9922.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 845 | End | 2056 |
| GI | none | Score | 70 |
| Exons | 845..904, 998..1114, 1037..1099, 1105..1128, 1106..1135, 1824..2051, 1827..2051, 1853..2056, 1957..2055 | | |

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| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15418 | Strand | - |
| Start | 5222 | End | 5730 |
| Name | OJ990421_01.9922.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 1022 | End | 2659 |
| GI | none | Score | 107 |
| Exons | 1022..1123, 1032..1124, 1827..2033, 1836..2030, 2387..2659 | | |

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| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15418 | Strand | - |
| Start | 5222 | End | 5730 |
| Name | OJ990421_01.9922.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 2393 | End | 2697 |
| GI | none | Score | 69 |
| Exons | 2393..2467, 2400..2471, 2401..2514, 2417..2641, 2423..2641, 2448..2645, 2449..2646, 2452..2697 | | |

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|---|---|---|---|
| Seq. No. | 7330 | Seq. ID | OJ990421_01.9922.C14 |
| Gene No. | 15418 | Strand | - |
| Start | 5222 | End | 5730 |
| Name | OJ990421_01.9922.C14.o2.np | Method | AAT/NAP |
| Start | 5222 | End | 5730 |
| GI | 5734709 | Score | 82 |
| Exons | 5222..5309, 5428..5730 | | |
| GI Descrip. | (AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana] | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15419 | Strand | - |

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|---|---|---|---|
| Start | 991 | End | 4796 |
| Name | OJ990421_01.9922.C15.o1.gs | Method | GENSCAN |
| Start | 991 | End | 4796 |
| GI | none | Score | .42 |
| Exons | 991..1085, 2461..2725, 3218..3315, 3389..3503, 4476..4796 | | |

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|---|---|---|---|
| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o1.np | Method | AAT/NAP |
| Start | 10113 | End | 12381 |
| GI | 3320104 | Score | 844 |
| Exons | 10113..10246, 10718..10773, 10897..11121, 11833..12000, 12084..12199, 12275..12381 | | |
| GI Descrip. | (AJ007366) calcium-dependent protein kinase [Zea mays] | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o2.gs | Method | GENSCAN |
| Start | 10654 | End | 12366 |
| GI | none | Score | .98 |
| Exons | 10654..10773, 10897..11121, 11833..12000, 12084..12199, 12324..12366 | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 10665 | End | 11932 |
| GI | none | Score | 85 |
| Exons | 10665..10733, 10683..10772, 10684..10776, 10732..10773, 10876..11118, 10896..11120, 10897..11121, 10964..11122, 11824..11922, 11825..11932, 11832..11879, 11833..11922 | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 10732 | End | 12381 |
| GI | none | Score | 65 |
| Exons | 10732..10776, 10733..10774, 10891..11121, 10900..11121, 11824..12003, 11834..12001, 12079..12195, 12081..12197, 12084..12197, 12270..12374, 12273..12380, 12274..12381 | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 10732 | End | 12380 |
| GI | none | Score | 120 |
| Exons | 10732..10773, 10897..11121, 10964..11122, 11824..12003, 11836..12000, 12079..12195, 12081..12197, 12270..12380, 12273..12377 | | |

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| Seq. No. | 7331 | Seq. ID | OJ990421_01.9922.C15 |
| Gene No. | 15420 | Strand | - |

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|---|---|---|---|
| Start | 10654 | End | 12381 |
| Name | OJ990421_01.9922.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 10735 | End | 12380 |
| GI | none | Score | 42 |
| Exons | 10735..10776, 10897..11118, 10897..11121, 10961..11122, 11824..12003, 11852..12001, 12079..12198, 12081..12197, 12276..12380 | | |

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|---|---|---|---|
| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15421 | Strand | + |
| Start | 1806 | End | 3682 |
| Name | OJ990421_01.9922.C16.o1.gs | Method | GENSCAN |
| Start | 1806 | End | 3682 |
| GI | none | Score | .4 |
| Exons | 1806..1993, 3549..3682 | | |

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|---|---|---|---|
| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15422 | Strand | - |
| Start | 3170 | End | 5088 |
| Name | OJ990421_01.9922.C16.o1.np | Method | AAT/NAP |
| Start | 3170 | End | 4790 |
| GI | 6539588 | Score | 173 |
| Exons | 3170..3229, 4514..4790 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15422 | Strand | - |
| Start | 3170 | End | 5088 |
| Name | OJ990421_01.9922.C16.o2.gs | Method | GENSCAN |
| Start | 4494 | End | 5088 |
| GI | none | Score | .6 |
| Exons | 4494..4731, 4877..5088 | | |

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|---|---|---|---|
| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 6668 | End | 7335 |
| GI | none | Score | 50 |
| Exons | 6668..6928, 6744..6914, 6947..7186, 6990..7148, 7204..7335 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o2.np | Method | AAT/NAP |
| Start | 6677 | End | 7632 |
| GI | 4416302 | Score | 948 |
| Exons | 6677..7632 | | |
| GI Descrip. | (AF105716) copia-type pol polyprotein [Zea mays] | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o3.gs | Method | GENSCAN |
| Start | 6677 | End | 8194 |
| GI | none | Score | .58 |
| Exons | 6677..7046, 7211..7632, 8057..8194 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 6692 | End | 7353 |
| GI | none | Score | 287 |
| Exons | 6692..7189, 6708..7187, 7204..7353, 7271..7345 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 6698 | End | 7162 |
| GI | none | Score | 60 |
| Exons | 6698..6910, 6932..7063, 7067..7162 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 6743 | End | 7177 |
| GI | none | Score | 57 |
| Exons | 6743..6856, 6743..6919, 6938..7177 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 7189 | End | 7536 |
| GI | none | Score | 101 |
| Exons | 7189..7356, 7393..7536 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o2.ts | Method | TBLASTX:Soybean |
| Start | 7336 | End | 7569 |
| GI | none | Score | 185 |
| Exons | 7336..7569 | | |

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| Seq. No. | 7332 | Seq. ID | OJ990421_01.9922.C16 |
| Gene No. | 15423 | Strand | - |
| Start | 6677 | End | 8194 |
| Name | OJ990421_01.9922.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 7354 | End | 7537 |
| GI | none | Score | 79 |
| Exons | 7354..7524, 7354..7536, 7400..7537 | | |

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| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15424 | Strand | + |
| Start | 11669 | End | 13516 |
| Name | OJ990421_01.9922.C17.o2.gs | Method | GENSCAN |
| Start | 11669 | End | 13516 |
| GI | none | Score | .74 |
| Exons | 11669..11793, 13432..13516 | | |

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|---|---|---|---|
| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15425 | Strand | + |
| Start | 15369 | End | 20176 |
| Name | OJ990421_01.9922.C17.o3.gs | Method | GENSCAN |
| Start | 15369 | End | 20176 |
| GI | none | Score | .42 |
| Exons | 15369..15486, 15903..15958, 16942..17049, 17309..17424, 19794..19899, 20057..20176 | | |

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|---|---|---|---|
| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15425 | Strand | + |
| Start | 15369 | End | 20176 |
| Name | OJ990421_01.9922.C17.o1.np | Method | AAT/NAP |
| Start | 16504 | End | 19442 |
| GI | 6815109 | Score | 175 |
| Exons | 16504..16671, 16861..17146, 19423..19442 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15426 | Strand | + |
| Start | 24656 | End | 25198 |
| Name | OJ990421_01.9922.C17.o4.gs | Method | GENSCAN |
| Start | 24656 | End | 25198 |
| GI | none | Score | .93 |
| Exons | 24656..24706, 25133..25198 | | |

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|---|---|---|---|
| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15427 | Strand | + |
| Start | 27648 | End | 27915 |
| Name | OJ990421_01.9922.C17.o1.gp | Method | AAT/GAP |
| Start | 27648 | End | 27915 |
| GI | LIB3434-035-P1-K1-A7 | Score | 465 |
| Exons | 27648..27915 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)' | | |

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| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15428 | Strand | - |
| Start | 27416 | End | 31988 |
| Name | OJ990421_01.9922.C17.o5.gs | Method | GENSCAN |
| Start | 27416 | End | 31988 |
| GI | none | Score | .79 |
| Exons | 27416..27525, 30877..30906, 31910..31988 | | |

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| Seq. No. | 7333 | Seq. ID | OJ990421_01.9922.C17 |
| Gene No. | 15429 | Strand | - |
| Start | 33571 | End | 36455 |
| Name | OJ990421_01.9922.C17.o6.gs | Method | GENSCAN |
| Start | 33571 | End | 36455 |
| GI | none | Score | .89 |
| Exons | 33571..33694, 36310..36455 | | |

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| Seq. No. | 7334 | Seq. ID | OJ990421_01.9922.C18 |
| Gene No. | 15430 | Strand | + |
| Start | 293 | End | 543 |
| Name | OJ990421_01.9922.C18.o1.gs | Method | GENSCAN |
| Start | 293 | End | 543 |

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|---|---|---|---|
| GI | none | Score | .55 |
| Exons | 293..437, 515..543 | | |

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| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15431 | Strand | + |
| Start | 6974 | End | 14454 |
| Name | OJ990701_05.9922.C2.o3.np | Method | AAT/NAP |
| Start | 6974 | End | 13699 |
| GI | 4680203 | Score | 1264 |
| Exons | 6974..7036, 9364..9638, 9694..10541, 13048..13375, 13517..13699 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15431 | Strand | + |
| Start | 6974 | End | 14454 |
| Name | OJ990701_05.9922.C2.o3.gs | Method | GENSCAN |
| Start | 9390 | End | 14454 |
| GI | none | Score | .41 |
| Exons | 9390..9512, 9518..9732, 10067..10221, 10593..10670, 12850..12951, 13425..13582, 14173..14454 | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 905 |
| GI | 4680203 | Score | 498 |
| Exons | 1..905 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 7 | End | 10244 |
| GI | none | Score | 186 |
| Exons | 7..117, 9978..10244 | | |

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| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 7 | End | 10223 |
| GI | none | Score | 87 |
| Exons | 7..114, 8..97, 127..438, 128..319, 410..436, 9699..9917, 9903..9974, 9999..10106, 10116..10223 | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o1.gs | Method | GENSCAN |
| Start | 19 | End | 7182 |
| GI | none | Score | .5 |
| Exons | 19..248, 433..525, 561..694, 737..911, 7077..7182 | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |

| | | | |
|---|---|---|---|
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 134 | End | 9971 |
| GI | none | Score | 151 |
| Exons | 134..418, 136..417, 261..422, 9719..9889, 9726..9899, 9738..9905, 9906..9971 | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o2.np | Method | AAT/NAP |
| Start | 4049 | End | 14480 |
| GI | 5852175 | Score | 110 |
| Exons | 4049..4075, 6399..6444, 7077..7187, 7753..7793, 8195..8264, 14421..14480 | | |
| GI Descrip. | (AL117265) zhb0005.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o2.gs | Method | GENSCAN |
| Start | 7636 | End | 9151 |
| GI | none | Score | .74 |
| Exons | 7636..7767, 8206..8293, 8396..8466, 8557..8688, 9116..9151 | | |

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|---|---|---|---|
| Seq. No. | 7335 | Seq. ID | OJ990701_05.9922.C2 |
| Gene No. | 15432 | Strand | - |
| Start | 1 | End | 14480 |
| Name | OJ990701_05.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 13215 | End | 13642 |
| GI | none | Score | 70 |
| Exons | 13215..13277, 13217..13258, 13286..13330, 13287..13331, 13311..13508, 13325..13561, 13327..13467, 13331..13561, 13511..13642, 13517..13642 | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o1.gs | Method | GENSCAN |
| Start | 489 | End | 3566 |
| GI | none | Score | .96 |
| Exons | 489..882, 1015..1204, 1995..2075, 3006..3132, 3304..3566 | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o1.np | Method | AAT/NAP |
| Start | 492 | End | 4707 |
| GI | 3135251 | Score | 545 |
| Exons | 492..882, 1015..1204, 1995..2053, 3002..3132, 3304..3477, 4688..4707 | | |
| GI Descrip. | (AC003058) putative receptor-like protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |

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|---|---|---|---|
| Name | OJ990701_05.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 585 | End | 3531 |
| GI | none | Score | 110 |
| Exons | 585..776, 792..881, 1011..1205, 1012..1206, 2980..3132, 2984..3124, 3010..3141, 3208..3366, 3334..3474, 3490..3531 | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 594 | End | 1169 |
| GI | none | Score | 122 |
| Exons | 594..734, 801..896, 1011..1169 | | |

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| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 594 | End | 1230 |
| GI | none | Score | 72 |
| Exons | 594..773, 792..881, 1011..1040, 1084..1230, 1086..1205 | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 792 | End | 1205 |
| GI | none | Score | 56 |
| Exons | 792..896, 1009..1185, 1011..1184, 1188..1205 | | |

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|---|---|---|---|
| Seq. No. | 7336 | Seq. ID | OJ990701_05.9922.C3 |
| Gene No. | 15433 | Strand | - |
| Start | 489 | End | 4707 |
| Name | OJ990701_05.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 3001 | End | 3835 |
| GI | none | Score | 149 |
| Exons | 3001..3132, 3002..3133, 3283..3570, 3301..3570, 3315..3572, 3656..3835, 3657..3758 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15434 | Strand | + |
| Start | 5812 | End | 6529 |
| Name | OJ990701_05.9922.C4.o2.gs | Method | GENSCAN |
| Start | 5812 | End | 6529 |
| GI | none | Score | 1 |
| Exons | 5812..5821, 6192..6529 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15435 | Strand | + |
| Start | 6604 | End | 6761 |
| Name | OJ990701_05.9922.C4.o2.np | Method | AAT/NAP |
| Start | 6604 | End | 6761 |
| GI | 6907084 | Score | 150 |
| Exons | 6604..6761 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |

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|---|---|---|---|
| Gene No. | 15436 | Strand | + |
| Start | 7160 | End | 9340 |
| Name | OJ990701_05.9922.C4.o3.gs | Method | GENSCAN |
| Start | 7160 | End | 9340 |
| GI | none | Score | .93 |
| Exons | 7160..9340 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15436 | Strand | + |
| Start | 7160 | End | 9340 |
| Name | OJ990701_05.9922.C4.o3.np | Method | AAT/NAP |
| Start | 7160 | End | 9336 |
| GI | 6016874 | Score | 1788 |
| Exons | 7160..7238, 7322..7459, 7524..7756, 8147..8306, 8700..8879, 8997..9336 | | |
| GI Descrip. | (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa] | | |

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| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15436 | Strand | + |
| Start | 7160 | End | 9340 |
| Name | OJ990701_05.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 7849 | End | 8357 |
| GI | uC-osflcyp110c07b1 | Score | 970 |
| Exons | 7849..8357 | | |
| GI Descrip. | '4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes' | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15437 | Strand | - |
| Start | 75 | End | 5095 |
| Name | OJ990701_05.9922.C4.o1.gs | Method | GENSCAN |
| Start | 75 | End | 5095 |
| GI | none | Score | .5 |
| Exons | 75..224, 450..524, 1167..1236, 3252..3393, 3477..3809, 4466..5014, 5026..5095 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15437 | Strand | - |
| Start | 75 | End | 5095 |
| Name | OJ990701_05.9922.C4.o1.np | Method | AAT/NAP |
| Start | 202 | End | 5083 |
| GI | 3176723 | Score | 354 |
| Exons | 202..229, 474..524, 3079..3150, 3252..3393, 3477..3965, 4466..5083 | | |
| GI Descrip. | (AC002392) putative receptor-like protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15437 | Strand | - |
| Start | 75 | End | 5095 |
| Name | OJ990701_05.9922.C4.o5.tm | Method | TBLASTX:Maize |
| Start | 3103 | End | 3558 |
| GI | none | Score | 50 |
| Exons | 3103..3150, 3275..3391, 3287..3394, 3288..3398, 3457..3558, | | |

3488..3550

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| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15438 | Strand | |
| Start | 7508 | End | 7954 |
| Name | OJ990701_05.9922.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 7508 | End | 7954 |
| GI | none | Score | 69 |
| Exons | 7508..7594, 7579..7788, 7580..7828, 7865..7921, 7916..7954 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15439 | Strand | |
| Start | 8048 | End | 8362 |
| Name | OJ990701_05.9922.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 8048 | End | 8362 |
| GI | none | Score | 65 |
| Exons | 8048..8122, 8135..8362, 8143..8361 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15440 | Strand | |
| Start | 8567 | End | 8919 |
| Name | OJ990701_05.9922.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 8567 | End | 8919 |
| GI | none | Score | 240 |
| Exons | 8567..8848, 8578..8919 | | |

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|---|---|---|---|
| Seq. No. | 7337 | Seq. ID | OJ990701_05.9922.C4 |
| Gene No. | 15441 | Strand | |
| Start | 9031 | End | 9274 |
| Name | OJ990701_05.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 9031 | End | 9274 |
| GI | none | Score | 282 |
| Exons | 9031..9171, 9041..9274 | | |

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|---|---|---|---|
| Seq. No. | 7338 | Seq. ID | OJ990701_05.9922.C5 |
| Gene No. | 15442 | Strand | + |
| Start | 1 | End | 1686 |
| Name | OJ990701_05.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1686 |
| GI | 6016874 | Score | 401 |
| Exons | 1..316, 1472..1686 | | |
| GI Descrip. | (AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa] | | |

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| Seq. No. | 7338 | Seq. ID | OJ990701_05.9922.C5 |
| Gene No. | 15442 | Strand | + |
| Start | 1 | End | 1686 |
| Name | OJ990701_05.9922.C5.o1.gs | Method | GENSCAN |
| Start | 59 | End | 913 |
| GI | none | Score | .88 |
| Exons | 59..315, 757..913 | | |

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|---|---|---|---|
| Seq. No. | 7339 | Seq. ID | OJ990701_05.9922.C8 |
| Gene No. | 15443 | Strand | + |
| Start | 62 | End | 105 |
| Name | OJ990701_05.9922.C8.o1.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 62 | End | 105 |
| GI | none | Score | .65 |
| Exons | 62..105 | | |

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|---|---|---|---|
| Seq. No. | 7340 | Seq. ID | OJ990701_05.9922.C9 |
| Gene No. | 15444 | Strand | + |
| Start | 1 | End | 5500 |
| Name | OJ990701_05.9922.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5500 |
| GI | 4680183 | Score | 194 |
| Exons | 1..120, 4689..4801, 5411..5500 | | |
| GI Descrip. | (AF111709) gag-pol protein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7340 | Seq. ID | OJ990701_05.9922.C9 |
| Gene No. | 15444 | Strand | + |
| Start | 1 | End | 5500 |
| Name | OJ990701_05.9922.C9.o1.gs | Method | GENSCAN |
| Start | 498 | End | 2528 |
| GI | none | Score | .75 |
| Exons | 498..647, 1360..1452, 2081..2377, 2423..2528 | | |

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|---|---|---|---|
| Seq. No. | 7340 | Seq. ID | OJ990701_05.9922.C9 |
| Gene No. | 15445 | Strand | + |
| Start | 7885 | End | 9741 |
| Name | OJ990701_05.9922.C9.o3.gs | Method | GENSCAN |
| Start | 7885 | End | 9474 |
| GI | none | Score | .72 |
| Exons | 7885..7894, 8126..8264, 8301..8463, 8569..8700, 9375..9474 | | |

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|---|---|---|---|
| Seq. No. | 7340 | Seq. ID | OJ990701_05.9922.C9 |
| Gene No. | 15445 | Strand | + |
| Start | 7885 | End | 9741 |
| Name | OJ990701_05.9922.C9.o2.np | Method | AAT/NAP |
| Start | 8041 | End | 9741 |
| GI | 4836918 | Score | 197 |
| Exons | 8041..8610, 9711..9741 | | |
| GI Descrip. | (AC007153) 89334 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7340 | Seq. ID | OJ990701_05.9922.C9 |
| Gene No. | 15446 | Strand | - |
| Start | 5888 | End | 7273 |
| Name | OJ990701_05.9922.C9.o2.gs | Method | GENSCAN |
| Start | 5888 | End | 7273 |
| GI | none | Score | .68 |
| Exons | 5888..5974, 6160..6517, 6561..6652, 6695..6779, 7176..7273 | | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5198 |
| GI | 4263822 | Score | 561 |
| Exons | 1..550, 648..949, 2361..2455, 2577..2733, 2885..3066, 3443..3569, 4424..4492, 4578..4737, 4808..5198 | | |
| GI Descrip. | (AC006067) putative receptor-like protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o1.gs | Method | GENSCAN |
| Start | 81 | End | 1268 |
| GI | none | Score | .9 |
| Exons | 81..550, 648..786, 1067..1268 | | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 468 | End | 926 |
| GI | none | Score | 87 |
| Exons | 468..539, 469..570, 643..783, 888..926 | 647..811, 658..822, 878..925, | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 2550 | End | 3594 |
| GI | none | Score | 37 |
| Exons | 2550..2579, 2594..2698, 2830..3069, 2830..3069, 2889..3074, 3434..3574, | 2594..2701, 2823..2930, 3440..3574, 3472..3594 | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o2.gs | Method | GENSCAN |
| Start | 2565 | End | 7642 |
| GI | none | Score | .67 |
| Exons | 2565..2703, 2804..3066, 4578..4737, 4808..5184, 7070..7324, 7610..7642 | 3443..3569, 3690..3758, 4424..4492, 5771..6043, 6442..6535, 6645..6883, | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o3.tm | Method | TBLASTX:Maize |
| Start | 4576 | End | 5796 |
| GI | none | Score | 114 |
| Exons | 4576..4686, 4577..4687, 4679..4747, 4809..4898, 4959..5135, 5722..5796 | | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |
| Name | OJ990701_05.9922.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 4577 | End | 6030 |
| GI | none | Score | 126 |
| Exons | 4577..4687, 4688..4741, 4809..4910, 4905..5105, 5707..5802, 5836..6030 | | |

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|---|---|---|---|
| Seq. No. | 7341 | Seq. ID | OJ990701_05.9922.C10 |
| Gene No. | 15447 | Strand | + |
| Start | 1 | End | 7642 |

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|---|---|---|---|
| Name | OJ990701_05.9922.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 4577 | End | 6009 |
| GI | none | Score | 116 |
| Exons | 4577..4717, 4679..4741, 4809..4907, 4914..5111, 5707..5787, 5830..6009 | | |

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|---|---|---|---|
| Seq. No. | 7342 | Seq. ID | OJ990701_05.9922.C11 |
| Gene No. | 15448 | Strand | + |
| Start | 564 | End | 1247 |
| Name | OJ990701_05.9922.C11.o1.gs | Method | GENSCAN |
| Start | 564 | End | 1247 |
| GI | none | Score | .79 |
| Exons | 564..608, 1083..1247 | | |

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|---|---|---|---|
| Seq. No. | 7342 | Seq. ID | OJ990701_05.9922.C11 |
| Gene No. | 15449 | Strand | + |
| Start | 4356 | End | 10547 |
| Name | OJ990701_05.9922.C11.o2.gs | Method | GENSCAN |
| Start | 4356 | End | 10375 |
| GI | none | Score | .47 |
| Exons | 4356..4429, 4480..4578, 8011..8132, 8355..8453, 9596..10167, 10283..10375 | | |

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|---|---|---|---|
| Seq. No. | 7342 | Seq. ID | OJ990701_05.9922.C11 |
| Gene No. | 15449 | Strand | + |
| Start | 4356 | End | 10547 |
| Name | OJ990701_05.9922.C11.o1.np | Method | AAT/NAP |
| Start | 9512 | End | 10547 |
| GI | 4836918 | Score | 178 |
| Exons | 9512..10078, 10499..10547 | | |
| GI Descrip. | (AC007153) 89334 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15450 | Strand | + |
| Start | 1 | End | 7086 |
| Name | OJ990701_05.9922.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 6245 |
| GI | 4263822 | Score | 643 |
| Exons | 1..31, 287..787, 891..1192, 3323..3425, 3534..3659, 3813..4021, 4396..4522, 5385..5453, 5539..5728, 5855..6245 | | |
| GI Descrip. | (AC006067) putative receptor-like protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15450 | Strand | + |
| Start | 1 | End | 7086 |
| Name | OJ990701_05.9922.C12.o1.gs | Method | GENSCAN |
| Start | 318 | End | 7086 |
| GI | none | Score | .58 |
| Exons | 318..787, 891..1029, 3507..3655, 3759..4021, 4396..4522, 5920..6201, 6679..6888, 6899..7086 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 705 | End | 1169 |

| | | | |
|---|---|---|---|
| GI | none | Score | 87 |
| Exons | 705..776, 706..807, 890..1030, 893..1021, 1122..1169 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 3571 | End | 4547 |
| GI | none | Score | 248 |
| Exons | 3571..3648, 3785..4024, 3785..4021, 3844..4029, 3946..4023, 4387..4527, 4388..4528, 4394..4540, 4395..4547 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 4393 | End | 9501 |
| GI | none | Score | 103 |
| Exons | 4393..4518, 5537..5659, 5538..5741, 5856..5951, 5937..6185, 6765..6845, 9013..9102, 9306..9500, 9379..9501 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 5537 | End | 9501 |
| GI | none | Score | 203 |
| Exons | 5537..5659, 5538..5741, 5586..5732, 5856..5951, 6765..6845, 9013..9102, 9303..9500, 9379..9501 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 5538 | End | 9500 |
| GI | none | Score | 192 |
| Exons | 5538..5741, 5856..5951, 5997..6197, 6765..6845, 9013..9102, 9306..9500 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 5538 | End | 9501 |
| GI | none | Score | 115 |
| Exons | 5538..5657, 5682..5732, 5856..5945, 6753..6848, 9001..9102, 9014..9094, 9306..9371, 9381..9500, 9385..9501 | | |

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|---|---|---|---|
| Seq. No. | 7343 | Seq. ID | OJ990701_05.9922.C12 |
| Gene No. | 15451 | Strand | - |
| Start | 8704 | End | 9501 |
| Name | OJ990701_05.9922.C12.o2.gs | Method | GENSCAN |
| Start | 8704 | End | 9424 |
| GI | none | Score | .83 |
| Exons | 8704..9103, 9310..9424 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |

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|---|---|---|---|
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3369 |
| GI | 6630696 | Score | 5445 |
| Exons | 1..3369 | | |
| GI Descrip. | (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 450 |
| GI | none | Score | 100 |
| Exons | 1..96, 5..109, 65..127, 127..360, 149..367, 182..361, 376..450, 377..445, 390..449 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.gs | Method | GENSCAN |
| Start | 112 | End | 3198 |
| GI | none | Score | .59 |
| Exons | 112..757, 1320..1503, 1587..2748, 2785..3198 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o5.ts | Method | TBLASTX:Soybean |
| Start | 127 | End | 444 |
| GI | none | Score | 76 |
| Exons | 127..312, 188..307, 331..444, 341..409 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 306 | End | 678 |
| GI | none | Score | 96 |
| Exons | 306..548, 307..678, 308..655 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o3.tw | Method | TBLASTX:Wheat |
| Start | 451 | End | 1202 |
| GI | none | Score | 68 |
| Exons | 451..504, 658..798, 668..790, 813..863, 858..1202, 1018..1185 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o3.ts | Method | TBLASTX:Soybean |
| Start | 457 | End | 805 |
| GI | none | Score | 77 |

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|---|---|---|---|
| Exons | 457..645, 458..646, 641..805, 646..804 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o3.tm | Method | TBLASTX:Maize |
| Start | 739 | End | 1203 |
| GI | none | Score | 85 |
| Exons | 739..813, 828..1202, 841..1047, 987..1067, 1072..1203 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 873 | End | 1289 |
| GI | 5509260 | Score | 126 |
| Exons | 873..1289, 1018..1242 | | |
| GI Descrip. | - | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 984 | End | 1250 |
| GI | none | Score | 104 |
| Exons | 984..1244, 1072..1242, 1113..1250 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 1257 | End | 1977 |
| GI | none | Score | 45 |
| Exons | 1257..1310, 1257..1376, 1261..1356, 1358..1510, 1370..1438, 1381..1509, 1514..1969, 1516..1968, 1915..1977 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 1627 | End | 2025 |
| GI | none | Score | 104 |
| Exons | 1627..1800, 1804..2025, 1817..2023 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o4.tm | Method | TBLASTX:Maize |
| Start | 1813 | End | 2277 |
| GI | none | Score | 82 |
| Exons | 1813..2277, 1820..2038 | | |
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o4.tw | Method | TBLASTX:Wheat |
| Start | 1978 | End | 2316 |

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|---|---|---|---|
| GI | none | Score | 62 |
| Exons | 1978..2316, 1979..2128, 1987..2241 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o4.ts | Method | TBLASTX:Soybean |
| Start | 2035 | End | 2415 |
| GI | none | Score | 89 |
| Exons | 2035..2283, 2266..2415 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 2389 | End | 2733 |
| GI | none | Score | 330 |
| Exons | 2389..2430, 2459..2728, 2459..2725, 2461..2733 | | |

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|---|---|---|---|
| Seq. No. | 7344 | Seq. ID | OJ990701_05.9922.C14 |
| Gene No. | 15452 | Strand | - |
| Start | 1 | End | 3369 |
| Name | OJ990701_05.9922.C14.o1.gp | Method | AAT/GAP |
| Start | 2864 | End | 3369 |
| GI | 101595_1.R1084 | Score | 943 |
| Exons | 2864..3369 | | |
| GI Descrip. | '3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15453 | Strand | + |
| Start | 310 | End | 1307 |
| Name | OJ990701_05.9922.C16.o1.gs | Method | GENSCAN |
| Start | 310 | End | 1307 |
| GI | none | Score | .55 |
| Exons | 310..460, 508..618, 675..785, 949..1307 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15454 | Strand | + |
| Start | 2564 | End | 6255 |
| Name | OJ990701_05.9922.C16.o2.gs | Method | GENSCAN |
| Start | 2564 | End | 6255 |
| GI | none | Score | .74 |
| Exons | 2564..2652, 2928..3108, 3202..3343, 3578..3700, 3926..4592, 4786..4922, 5258..5337, 5381..5494, 5572..6255 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15455 | Strand | - |
| Start | 1 | End | 5180 |
| Name | OJ990701_05.9922.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5180 |
| GI | 6503010 | Score | 198 |
| Exons | 1..64, 493..874, 984..1065, 5081..5180 | | |
| GI Descrip. | (AF174427) formin-like protein AHF1 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |

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|---|---|---|---|
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o4.tm | Method | TBLASTX:Maize |
| Start | 669 | End | 1118 |
| GI | none | Score | 51 |
| Exons | 669..713, 670..708, 710..886, 711..890, 753..887, 984..1064, 1041..1118 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o5.ts | Method | TBLASTX:Soybean |
| Start | 669 | End | 875 |
| GI | none | Score | 105 |
| Exons | 669..728, 710..871, 714..875 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 673 | End | 1064 |
| GI | none | Score | 43 |
| Exons | 673..726, 678..728, 710..871, 711..875, 984..1064 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o3.np | Method | AAT/NAP |
| Start | 9138 | End | 14593 |
| GI | 4539660 | Score | 858 |
| Exons | 9138..9417, 9458..9598, 9635..10462, 10802..12402, 14490..14593 | | |
| GI Descrip. | (AF061282) polyprotein [Sorghum bicolor] | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 9154 | End | 9427 |
| GI | none | Score | 72 |
| Exons | 9154..9423, 9157..9321, 9176..9427 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o3.tm | Method | TBLASTX:Maize |
| Start | 9163 | End | 9423 |
| GI | none | Score | 136 |
| Exons | 9163..9423, 9182..9415 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o4.np | Method | AAT/NAP |
| Start | 9390 | End | 13507 |
| GI | 4206306 | Score | 1281 |
| Exons | 9390..12508, 13455..13507 | | |
| GI Descrip. | (AF049110) prpol [Zea mays] | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o4.gs | Method | GENSCAN |
| Start | 9431 | End | 18570 |
| GI | none | Score | .69 |
| Exons | 9431..9702, 10054..10389, 10438..12682, 12714..13083, 13124..13160, 13522..14187, 14394..14643, 14737..14883, 14983..15155, 15189..15972, 16956..17076, 18538..18570 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o3.tw | Method | TBLASTX:Wheat |
| Start | 9443 | End | 9817 |
| GI | none | Score | 74 |
| Exons | 9443..9817, 9444..9587 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o7.ts | Method | TBLASTX:Soybean |
| Start | 9452 | End | 9634 |
| GI | none | Score | 107 |
| Exons | 9452..9634, 9462..9632 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o3.ts | Method | TBLASTX:Soybean |
| Start | 10067 | End | 10375 |
| GI | none | Score | 89 |
| Exons | 10067..10375, 10155..10316 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o5.tm | Method | TBLASTX:Maize |
| Start | 10232 | End | 10609 |
| GI | none | Score | 195 |
| Exons | 10232..10609 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o4.tw | Method | TBLASTX:Wheat |
| Start | 10796 | End | 11194 |
| GI | none | Score | 78 |
| Exons | 10796..11065, 11105..11194 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 10829 | End | 11239 |
| GI | none | Score | 93 |
| Exons | 10829..11080, 10914..11078, 11088..11237, 11102..11239 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o2.ts | Method | TBLASTX:Soybean |
| Start | 11390 | End | 11860 |
| GI | none | Score | 78 |
| Exons | 11390..11578, 11403..11534, 11579..11860, 11685..11822 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o5.tw | Method | TBLASTX:Wheat |
| Start | 11540 | End | 11858 |
| GI | none | Score | 102 |
| Exons | 11540..11857, 11544..11858 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 11546 | End | 12007 |
| GI | none | Score | 295 |
| Exons | 11546..12007, 11547..12005, 11618..12007 | | |

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| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 11876 | End | 12280 |
| GI | none | Score | 221 |
| Exons | 11876..12220, 11876..12229, 12218..12280, 12248..12280 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 12008 | End | 12226 |
| GI | none | Score | 147 |
| Exons | 12008..12226, 12009..12206, 12026..12226 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o4.ts | Method | TBLASTX:Soybean |
| Start | 12077 | End | 12442 |
| GI | none | Score | 70 |
| Exons | 12077..12211, 12224..12442, 12309..12431 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o6.ts | Method | TBLASTX:Soybean |
| Start | 12852 | End | 13190 |
| GI | none | Score | 188 |
| Exons | 12852..13190 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o1.gp | Method | AAT/GAP |
| Start | 17167 | End | 17768 |
| GI | 3761363 | Score | 859 |
| Exons | 17167..17768 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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|---|---|---|---|
| Seq. No. | 7345 | Seq. ID | OJ990701_05.9922.C16 |
| Gene No. | 15456 | Strand | - |
| Start | 9138 | End | 18786 |
| Name | OJ990701_05.9922.C16.o7.np | Method | AAT/NAP |
| Start | 17727 | End | 18786 |
| GI | 6063554 | Score | 110 |
| Exons | 17727..17902, 18538..18584, 18764..18786 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7346 | Seq. ID | OJ990701_05.9922.C17 |
| Gene No. | 15457 | Strand | - |
| Start | 260 | End | 1279 |
| Name | OJ990701_05.9922.C17.o1.gs | Method | GENSCAN |
| Start | 260 | End | 1279 |
| GI | none | Score | .89 |
| Exons | 260..335, 426..755, 1083..1279 | | |

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|---|---|---|---|
| Seq. No. | 7347 | Seq. ID | OJ990701_05.9922.C19 |
| Gene No. | 15458 | Strand | + |
| Start | 1 | End | 510 |
| Name | OJ990701_05.9922.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 510 |
| GI | 6742729 | Score | 492 |
| Exons | 1..510 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7347 | Seq. ID | OJ990701_05.9922.C19 |
| Gene No. | 15458 | Strand | + |
| Start | 1 | End | 510 |
| Name | OJ990701_05.9922.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 503 |
| GI | none | Score | 253 |
| Exons | 1..273, 3..251, 251..490, 264..503 | | |

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|---|---|---|---|
| Seq. No. | 7347 | Seq. ID | OJ990701_05.9922.C19 |
| Gene No. | 15458 | Strand | + |
| Start | 1 | End | 510 |
| Name | OJ990701_05.9922.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 314 |
| GI | none | Score | 246 |
| Exons | 1..279, 12..272, 270..314 | | |

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|---|---|---|---|
| Seq. No. | 7347 | Seq. ID | OJ990701_05.9922.C19 |
| Gene No. | 15458 | Strand | + |
| Start | 1 | End | 510 |

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|---|---|---|---|
| Name | OJ990701_05.9922.C19.o1.tc | Method | TBLASTX:Cress |
| Start | 264 | End | 503 |
| GI | none | Score | 226 |
| Exons | 264..503, 269..490 | | |

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|---|---|---|---|
| Seq. No. | 7347 | Seq. ID | OJ990701_05.9922.C19 |
| Gene No. | 15458 | Strand | + |
| Start | 1 | End | 510 |
| Name | OJ990701_05.9922.C19.o1.gs | Method | GENSCAN |
| Start | 291 | End | 463 |
| GI | none | Score | .65 |
| Exons | 291..463 | | |

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|---|---|---|---|
| Seq. No. | 7348 | Seq. ID | OJ990701_02.9922.C1 |
| Gene No. | 15459 | Strand | + |
| Start | 1 | End | 233 |
| Name | OJ990701_02.9922.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 233 |
| GI | 5295958 | Score | 364 |
| Exons | 1..233 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7348 | Seq. ID | OJ990701_02.9922.C1 |
| Gene No. | 15459 | Strand | + |
| Start | 1 | End | 233 |
| Name | OJ990701_02.9922.C1.o1.gs | Method | GENSCAN |
| Start | 50 | End | 209 |
| GI | none | Score | .99 |
| Exons | 50..209 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15460 | Strand | + |
| Start | 6576 | End | 14280 |
| Name | OJ990701_02.9922.C3.o2.gs | Method | GENSCAN |
| Start | 6576 | End | 14280 |
| GI | none | Score | .57 |
| Exons | 6576..6633, 7015..7129, 7362..7429, 9388..9551, 10535..10852, 10913..11213, 12473..12558, 12689..12912, 12986..13046, 13709..13903, 14056..14280 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o3.gp | Method | AAT/GAP |
| Start | 17321 | End | 17823 |
| GI | 5003741 | Score | 775 |
| Exons | 17321..17547, 17632..17823 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o4.gs | Method | GENSCAN |
| Start | 17326 | End | 21062 |
| GI | none | Score | .68 |
| Exons | 17326..17547, 17632..17935, 18776..18861, 18933..19222, 19300..19360, 19848..19943, 20523..20678, 20886..21062 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o4.np | Method | AAT/NAP |
| Start | 17358 | End | 19375 |
| GI | 5295966 | Score | 491 |
| Exons | 17358..17547, 17632..17935, 18776..18865, 19003..19222, 19300..19375 | | |
| GI Descrip. | (AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o5.np | Method | AAT/NAP |
| Start | 17377 | End | 20457 |
| GI | 2129844 | Score | 337 |
| Exons | 17377..17547, 17632..17935, 18776..18861, 18999..19222, 20406..20457 | | |
| GI Descrip. | stress-induced protein sti1 - soybean | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o4.gp | Method | AAT/GAP |
| Start | 19916 | End | 21306 |
| GI | 98709_1.R1084 | Score | 1134 |
| Exons | 19916..19943, 20523..20678, 20886..21306 | | |
| GI Descrip. | '3386603 1.0e-17 (AC004665) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15461 | Strand | + |
| Start | 17326 | End | 21306 |
| Name | OJ990701_02.9922.C3.o6.np | Method | AAT/NAP |
| Start | 20886 | End | 21080 |
| GI | 3386603 | Score | 145 |
| Exons | 20886..21080 | | |
| GI Descrip. | (AC004665) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15462 | Strand | - |
| Start | 292 | End | 5078 |
| Name | OJ990701_02.9922.C3.o1.gs | Method | GENSCAN |
| Start | 292 | End | 4378 |
| GI | none | Score | .65 |
| Exons | 292..436, 438..626, 1607..1773, 1949..2323, 2416..2540, 3226..3404, 3816..3953, 4307..4378 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15462 | Strand | - |
| Start | 292 | End | 5078 |
| Name | OJ990701_02.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 448 | End | 509 |
| GI | 4878407 | Score | 88 |
| Exons | 448..509 | | |
| GI Descrip. | 6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic | | |

DNA, chromosome 6, clone:P0514G12

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15462 | Strand | - |
| Start | 292 | End | 5078 |
| Name | OJ990701_02.9922.C3.o1.np | Method | AAT/NAP |
| Start | 1461 | End | 3953 |
| GI | 5295955 | Score | 653 |
| Exons | 1461..2397, 2426..2545, 3226..3340, 3884..3953 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15462 | Strand | - |
| Start | 292 | End | 5078 |
| Name | OJ990701_02.9922.C3.o2.np | Method | AAT/NAP |
| Start | 3505 | End | 5078 |
| GI | 4680186 | Score | 218 |
| Exons | 3505..3539, 4886..5078 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15463 | Strand | - |
| Start | 15602 | End | 16020 |
| Name | OJ990701_02.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 15417 | End | 16020 |
| GI | 267_2.R1084 | Score | 1086 |
| Exons | 15417..16020 | | |
| GI Descrip. | '2116601/dbj\|BAA20144\| 4.0e-47 (AB003784) Histone H3 [Drosophila simulans]' | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15463 | Strand | - |
| Start | 15602 | End | 16020 |
| Name | OJ990701_02.9922.C3.o3.gs | Method | GENSCAN |
| Start | 15602 | End | 16012 |
| GI | none | Score | 1 |
| Exons | 15602..16012 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15463 | Strand | - |
| Start | 15602 | End | 16020 |
| Name | OJ990701_02.9922.C3.o3.np | Method | AAT/NAP |
| Start | 15605 | End | 16012 |
| GI | 122085 | Score | 673 |
| Exons | 15605..16012 | | |
| GI Descrip. | HISTONE H3 gi\|81641\|pir\|\|S06250 histone H3 - Arabidopsis thaliana gi\|82482\|pir\|\|S04099 histone H3 (variant H3R-21) - rice gi\|1362194\|pir\|\|S57626 histone H3 - maize gi\|20251\|emb\|CAA31969\| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi\|20253\|emb\|CAA31970\| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi\|168493 (M36658) histone H3 (H3C3) [Zea mays] gi\|168495 (M13378) h | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |

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|---|---|---|---|
| Name | OJ990701_02.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 10664 | End | 19220 |
| GI | none | Score | 62 |
| Exons | 10664..10846, 10931..10984, 10933..11112, 12471..12575, 12472..12561, 12692..12919, 12714..12914, 12984..13046, 18774..18869, 18775..18864, 19002..19220 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o3.ts | Method | TBLASTX:Soybean |
| Start | 10724 | End | 19220 |
| GI | none | Score | 60 |
| Exons | 10724..10846, 10931..10984, 12472..12546, 12692..12919, 12698..12907, 12984..13046, 18775..18861, 19002..19220, 19056..19214 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o3.tc | Method | TBLASTX:Cress |
| Start | 12692 | End | 19220 |
| GI | none | Score | 198 |
| Exons | 12692..12919, 12695..12874, 19002..19220, 19008..19187 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o2.ts | Method | TBLASTX:Soybean |
| Start | 14049 | End | 21092 |
| GI | none | Score | 228 |
| Exons | 14049..14219, 14050..14232, 14058..14234, 20871..21065, 20879..21091, 20880..21092 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 14070 | End | 21065 |
| GI | none | Score | 206 |
| Exons | 14070..14231, 14071..14274, 20900..21052, 20901..21065, 20907..21065 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 15632 | End | 22073 |
| GI | none | Score | 382 |
| Exons | 15632..16012, 15636..16004, 21629..21991, 21636..22073, 21867..22001, 22000..22026 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 15632 | End | 22027 |

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|---|---|---|---|
| GI | none | Score | 226 |
| Exons | 15632..15895, 15632..16012, 15636..16004, 15982..16038, 21626..21991, 21635..21994, 21636..22001, 21801..22001, 22001..22027 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 15632 | End | 22027 |
| GI | none | Score | 217 |
| Exons | 15632..15895, 15632..16012, 15636..16004, 15982..16029, 21632..21991, 21636..22001, 21864..22001, 22001..22027 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 15632 | End | 22001 |
| GI | none | Score | 95 |
| Exons | 15632..15781, 15632..16012, 15639..16004, 21629..21991, 21636..21992, 21867..22001, 21869..21994 | | |

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|---|---|---|---|
| Seq. No. | 7349 | Seq. ID | OJ990701_02.9922.C3 |
| Gene No. | 15464 | Strand | - |
| Start | 21635 | End | 22073 |
| Name | OJ990701_02.9922.C3.o7.np | Method | AAT/NAP |
| Start | 21635 | End | 22032 |
| GI | 122085 | Score | 577 |
| Exons | 21635..22032 | | |
| GI Descrip. | HISTONE H3 gi\|81641\|pir\|\|S06250 histone H3 - Arabidopsis thaliana gi\|82482\|pir\|\|S04099 histone H3 (variant H3R-21) - rice gi\|1362194\|pir\|\|S57626 histone H3 - maize gi\|20251\|emb\|CAA31969\| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi\|20253\|emb\|CAA31970\| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi\|168493 (M36658) histone H3 (H3C3) [Zea mays] gi\|168495 (M13378) h | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15465 | Strand | + |
| Start | 4198 | End | 7879 |
| Name | OJ990701_02.9922.C4.o2.gs | Method | GENSCAN |
| Start | 4198 | End | 7069 |
| GI | none | Score | .54 |
| Exons | 4198..4392, 4724..4982, 5789..5846, 5920..5971, 6467..6544, 6878..7069 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15465 | Strand | + |
| Start | 4198 | End | 7879 |
| Name | OJ990701_02.9922.C4.o2.np | Method | AAT/NAP |
| Start | 4198 | End | 6900 |
| GI | 5295938 | Score | 759 |
| Exons | 4198..4392, 4724..4982, 6878..6900 | | |
| GI Descrip. | (AB026295) EST C73147(E2988) corresponds to a region of the predicted gene.; Similar to Glycin max gmsti mRNA.(X79770) [Oryza sativa] | | |

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| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15465 | Strand | + |
| Start | 4198 | End | 7879 |
| Name | OJ990701_02.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 6890 | End | 7879 |
| GI | 75279_1.R1084 | Score | 1102 |
| Exons | 6890..7054, 7460..7879 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15465 | Strand | + |
| Start | 4198 | End | 7879 |
| Name | OJ990701_02.9922.C4.o3.np | Method | AAT/NAP |
| Start | 7436 | End | 7642 |
| GI | 3386604 | Score | 178 |
| Exons | 7436..7642 | | |
| GI Descrip. | (AC004665) putative protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15466 | Strand | + |
| Start | 9029 | End | 9617 |
| Name | OJ990701_02.9922.C4.o3.gp | Method | AAT/GAP |
| Start | 8952 | End | 9437 |
| GI | 267_5.R1084 | Score | 844 |
| Exons | 8952..9437 | | |
| GI Descrip. | '122087/sp\|P02300\|H3_PEA 8.0e-61 HISTONE H3 >gi_81849_pir__S04520 histone H3 (clone pH3c-1) - alfalfa >gi_82609_pir__A26014 histone H3 - wheat >gi_19607_emb_CAA31964_ (X13673) histone H3 (AA 1-136) [Medicago sativa] >gi_19609_emb_CAA31965_ (X13674) histone H3 (AA 1-136) [Medicago sativa] >gi_21797_emb_CAA25451_ (X00937) H3 histone [Triticum aestivum] >gi_488565 (U09459) histone H3.1 [M' | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15466 | Strand | + |
| Start | 9029 | End | 9617 |
| Name | OJ990701_02.9922.C4.o4.gs | Method | GENSCAN |
| Start | 9029 | End | 9439 |
| GI | none | Score | 1 |
| Exons | 9029..9439 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15466 | Strand | + |
| Start | 9029 | End | 9617 |
| Name | OJ990701_02.9922.C4.o5.np | Method | AAT/NAP |
| Start | 9029 | End | 9436 |
| GI | 122085 | Score | 673 |
| Exons | 9029..9436 | | |
| GI Descrip. | HISTONE H3 gi\|81641\|pir\|\|S06250 histone H3 - Arabidopsis thaliana gi\|82482\|pir\|\|S04099 histone H3 (variant H3R-21) - rice gi\|1362194\|pir\|\|S57626 histone H3 - maize gi\|20251\|emb\|CAA31969\| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi\|20253\|emb\|CAA31970\| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi\|168493 (M36658) histone H3 (H3C3) [Zea mays] gi\|168495 (M13378) h | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15466 | Strand | + |
| Start | 9029 | End | 9617 |
| Name | OJ990701_02.9922.C4.o4.gp | Method | AAT/GAP |
| Start | 9280 | End | 9617 |
| GI | 267_8.R1084 | Score | 579 |
| Exons | 9280..9617 | | |
| GI Descrip. | '70748/pir\|\|HSUR3P 3.0e-10 histone H3, embryonic - sea urchin (Strongylocentrotus purpuratus)' | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15467 | Strand | + |
| Start | 19780 | End | 20578 |
| Name | OJ990701_02.9922.C4.o9.np | Method | AAT/NAP |
| Start | 19780 | End | 20578 |
| GI | 5295944 | Score | 115 |
| Exons | 19780..19836, 20549..20578 | | |
| GI Descrip. | (AB026295) Similar to Nicotiana tabacum mRNA for ERF1, complete cds.(D38123) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15468 | Strand | - |
| Start | 1412 | End | 2629 |
| Name | OJ990701_02.9922.C4.o1.gs | Method | GENSCAN |
| Start | 1412 | End | 2029 |
| GI | none | Score | .5 |
| Exons | 1412..2029 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15468 | Strand | - |
| Start | 1412 | End | 2629 |
| Name | OJ990701_02.9922.C4.o1.np | Method | AAT/NAP |
| Start | 1415 | End | 2629 |
| GI | 5295937 | Score | 1410 |
| Exons | 1415..2011, 2381..2629 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15469 | Strand | - |
| Start | 7448 | End | 8620 |
| Name | OJ990701_02.9922.C4.o3.gs | Method | GENSCAN |
| Start | 7448 | End | 8480 |
| GI | none | Score | .46 |
| Exons | 7448..7500, 8084..8480 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15469 | Strand | - |
| Start | 7448 | End | 8620 |
| Name | OJ990701_02.9922.C4.o2.gp | Method | AAT/GAP |
| Start | 7832 | End | 8620 |
| GI | 267_5.R1084 | Score | 824 |
| Exons | 7832..7868, 8032..8517, 8598..8620 | | |
| GI Descrip. | '122087/sp\|P02300\|H3_PEA 8.0e-61 HISTONE H3 >gi_81849_pir__S04520 histone H3 (clone pH3c-1) - alfalfa >gi_82609_pir__A26014 histone H3 - wheat >gi_19607_emb_CAA31964_ (X13673) histone H3 (AA 1-136) [Medicago sativa] | | |

>gi_19609_emb_CAA31965_ (X13674) histone H3 (AA 1-136) [Medicago sativa] >gi_21797_emb_CAA25451_ (X00937) H3 histone [Triticum aestivum] >gi_488565 (U09459) histone H3.1 [M'

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15469 | Strand | - |
| Start | 7448 | End | 8620 |
| Name | OJ990701_02.9922.C4.o4.np | Method | AAT/NAP |
| Start | 8073 | End | 8480 |
| GI | 122085 | Score | 673 |
| Exons | 8073..8480 | | |
| GI Descrip. | HISTONE H3 gi\|81641\|pir\|\|S06250 histone H3 - Arabidopsis thaliana gi\|82482\|pir\|\|S04099 histone H3 (variant H3R-21) - rice gi\|1362194\|pir\|\|S57626 histone H3 - maize gi\|20251\|emb\|CAA31969\| (X13678) histone H3 (AA 1-136) [Oryza sativa] gi\|20253\|emb\|CAA31970\| (X13680) histone H3 (AA 1-136) [Oryza sativa] gi\|168493 (M36658) histone H3 (H3C3) [Zea mays] gi\|168495 (M13378) h | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15470 | Strand | - |
| Start | 9931 | End | 11860 |
| Name | OJ990701_02.9922.C4.o5.gp | Method | AAT/GAP |
| Start | 9931 | End | 10752 |
| GI | 81139_1.R1084 | Score | 1278 |
| Exons | 9931..10436, 10547..10752 | | |
| GI Descrip. | '5295941/dbj\|BAA81842.1\| 5.0e-71 (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15470 | Strand | - |
| Start | 9931 | End | 11860 |
| Name | OJ990701_02.9922.C4.o5.gs | Method | GENSCAN |
| Start | 10168 | End | 11825 |
| GI | none | Score | .86 |
| Exons | 10168..10436, 10547..10817, 10921..11072, 11285..11497, 11657..11825 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15470 | Strand | - |
| Start | 9931 | End | 11860 |
| Name | OJ990701_02.9922.C4.o6.np | Method | AAT/NAP |
| Start | 10171 | End | 11825 |
| GI | 5295941 | Score | 1863 |
| Exons | 10171..10436, 10547..10817, 10921..11072, 11285..11497, 11591..11825 | | |
| GI Descrip. | (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15470 | Strand | - |
| Start | 9931 | End | 11860 |

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|---|---|---|---|
| Name | OJ990701_02.9922.C4.o6.gp | Method | AAT/GAP |
| Start | 11386 | End | 11860 |
| GI | 5443727 | Score | 720 |
| Exons | 11386..11497, 11591..11860 | | |
| GI Descrip. | 5295941/dbj\|BAA81842.1\| 1.0e-40 (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Similar to Medicago sativa early nodule-specific protein (ENOD8) gene, complete cds.(L18899) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15471 | Strand | - |
| Start | 13096 | End | 16321 |
| Name | OJ990701_02.9922.C4.o6.gs | Method | GENSCAN |
| Start | 13096 | End | 16321 |
| GI | none | Score | .87 |
| Exons | 13096..13227, 13969..14160, 15107..15153, 16099..16321 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15471 | Strand | - |
| Start | 13096 | End | 16321 |
| Name | OJ990701_02.9922.C4.o7.np | Method | AAT/NAP |
| Start | 13099 | End | 16321 |
| GI | 5295942 | Score | 982 |
| Exons | 13099..13227, 13969..14160, 15107..15153, 16099..16321 | | |
| GI Descrip. | (AB026295) Similar to Gossypium barbadense Sea Island proline-rich cell wall protein gene complete cds.(U04267) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o4.ts | Method | TBLASTX:Soybean |
| Start | 1913 | End | 2537 |
| GI | none | Score | 136 |
| Exons | 1913..1999, 2351..2536, 2373..2537 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 7453 | End | 7627 |
| GI | none | Score | 210 |
| Exons | 7453..7617, 7454..7627 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 7457 | End | 7680 |
| GI | none | Score | 130 |
| Exons | 7457..7549, 7457..7549, 7523..7639, 7534..7680 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o1.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 8064 | End | 9463 |
| GI | none | Score | 549 |
| Exons | 8064..8480, 8068..8487, 8239..8487, 9008..9409, 9028..9405, 9260..9463 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 8064 | End | 9445 |
| GI | none | Score | 249 |
| Exons | 8064..8480, 8073..8363, 8074..8481, 8239..8493, 8441..8494, 9028..9405, 9029..9409, 9080..9445 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 8067 | End | 9409 |
| GI | none | Score | 427 |
| Exons | 8067..8480, 8074..8481, 9011..9409, 9028..9405 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 8067 | End | 9454 |
| GI | none | Score | 418 |
| Exons | 8067..8480, 8074..8502, 9008..9409, 9022..9402, 9260..9454 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 10165 | End | 11748 |
| GI | none | Score | 134 |
| Exons | 10165..10326, 10166..10327, 10360..10437, 10361..10438, 10542..10820, 10546..10617, 10696..10818, 10987..11070, 11305..11487, 11307..11495, 11586..11741, 11593..11748 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 10175 | End | 11085 |
| GI | none | Score | 84 |
| Exons | 10175..10372, 10207..10437, 10264..10461, 10545..10820, 10945..11085 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 11373 | End | 11748 |
| GI | none | Score | 97 |
| Exons | 11373..11495, 11374..11487, 11586..11741, 11587..11748 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 13102 | End | 15155 |
| GI | none | Score | 130 |
| Exons | 13102..13230, 13116..13229, 13162..13230, 13560..13652, 13560..13652, 13561..13653, 14033..14161, 14035..14136, 14043..14159, 15108..15155 | | |

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|---|---|---|---|
| Seq. No. | 7350 | Seq. ID | OJ990701_02.9922.C4 |
| Gene No. | 15472 | Strand | - |
| Start | 17657 | End | 17830 |
| Name | OJ990701_02.9922.C4.o8.np | Method | AAT/NAP |
| Start | 17657 | End | 17830 |
| GI | 5295943 | Score | 316 |
| Exons | 17657..17830 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15473 | Strand | + |
| Start | 1 | End | 646 |
| Name | OJ990701_02.9922.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 643 |
| GI | 5295944 | Score | 1130 |
| Exons | 1..643 | | |
| GI Descrip. | (AB026295) Similar to Nicotiana tabacum mRNA for ERF1, complete cds.(D38123) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15473 | Strand | + |
| Start | 1 | End | 646 |
| Name | OJ990701_02.9922.C5.o1.gs | Method | GENSCAN |
| Start | 149 | End | 646 |
| GI | none | Score | 1 |
| Exons | 149..646 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15474 | Strand | + |
| Start | 2042 | End | 3392 |
| Name | OJ990701_02.9922.C5.o2.gs | Method | GENSCAN |
| Start | 2042 | End | 3392 |
| GI | none | Score | .4 |
| Exons | 2042..2137, 3087..3243, 3313..3392 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 235 |
| GI | none | Score | 200 |
| Exons | 1..141, 2..235 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o2.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 2 | End | 151 |
| GI | none | Score | 182 |
| Exons | 2..151, 4..144 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o3.gs | Method | GENSCAN |
| Start | 5233 | End | 7219 |
| GI | none | Score | .85 |
| Exons | 5233..6332, 7153..7219 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o2.np | Method | AAT/NAP |
| Start | 5236 | End | 8624 |
| GI | 5295946 | Score | 2320 |
| Exons | 5236..6332, 8318..8624 | | |
| GI Descrip. | (AB026295) EST C74734(E50712) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 5648 | End | 5953 |
| GI | 2442963 | Score | 577 |
| Exons | 5648..5953 | | |
| GI Descrip. | 5295946/dbj\|BAA81847.1\| 9.0e-42 (AB026295) EST C74734(E50712) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o4.gs | Method | GENSCAN |
| Start | 8373 | End | 16042 |
| GI | none | Score | .68 |
| Exons | 8373..8782, 10435..10631, 10648..10802, 11633..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13302..13393, 13541..13571, 13762..13935, 15161..15238, 15896..16042 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o2.gp | Method | AAT/GAP |
| Start | 10115 | End | 16095 |
| GI | 663_1.R1084 | Score | 3673 |
| Exons | 10115..10802, 11633..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13129..13191, 13302..13393, 13490..13571, 13762..13935, 14032..14113, 14949..15073, 15161..15238, 15896..16095 | | |
| GI Descrip. | '2833377/sp\|Q40739\|UGS2_ORYSA 0.0e+00 SOLUBLE GLYCOGEN (STARCH) SYNTHASE PRECURSOR (SSS) >gi_542161_pir__JQ2322 ADPglucose--starch glucosyltransferase (EC 2.4.1.21) precursor - | | |

rice >gi_450485_dbj_BAA03739_ (D16202) soluble starch synthase precursor [Oryza sativa]'

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 10539 | End | 13851 |
| GI | none | Score | 235 |
| Exons | 10539..10568, 10632..10808, 10645..10800, 11633..11674, 11805..11861, 11805..11858, 11806..11859, 11807..11863, 11941..12048, 11942..12049, 11942..12049, 11946..12053, 11982..12050, 12151..12303, 12175..12300, 12958..13050, 12961..13050, 12962..13054, 13120..13191, 13130..13192, 13130..13192, 13131..13193, 13292..13393, 13296..13394, 13486..13572, 13488..13574, 13762..13845, 13762..13851 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 10683 | End | 13051 |
| GI | none | Score | 46 |
| Exons | 10683..10808, 11820..11861, 11822..11863, 11942..12046, 11942..12049, 11982..12050, 12174..12290, 12175..12300, 12956..13051, 12958..13050 | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o3.np | Method | AAT/NAP |
| Start | 10693 | End | 16095 |
| GI | 5295947 | Score | 2139 |
| Exons | 10693..10803, 11642..11672, 11808..11860, 11942..12050, 12175..12299, 12961..13050, 13129..13191, 13302..13393, 13490..13571, 13762..13935, 14032..14113, 14949..15073, 15161..15238, 15896..16095 | | |
| GI Descrip. | (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Rice gene for soluble starch synthase (SSS1), complete cds (exon1-15).(D38221) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7351 | Seq. ID | OJ990701_02.9922.C5 |
| Gene No. | 15475 | Strand | - |
| Start | 5233 | End | 16095 |
| Name | OJ990701_02.9922.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 13912 | End | 16094 |
| GI | none | Score | 105 |
| Exons | 13912..13935, 14032..14106, 14033..14110, 14948..15076, 14949..15074, 14949..15080, 15161..15238, 15168..15239, 15201..15251, 15872..16093, 15884..16093, 15894..16094, 15894..16094 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15476 | Strand | + |
| Start | 1 | End | 1158 |
| Name | OJ990701_02.9922.C6.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 1158 |

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|---|---|---|---|
| GI | 663_1.R1084 | Score | 738 |
| Exons | 1..58, 724..1158 | | |
| GI Descrip. | '2833377/sp\|Q40739\|UGS2_ORYSA 0.0e+00 SOLUBLE GLYCOGEN (STARCH) SYNTHASE PRECURSOR (SSS) >gi_542161_pir__JQ2322 ADPglucose--starch glucosyltransferase (EC 2.4.1.21) precursor - rice >gi_450485_dbj_BAA03739_ (D16202) soluble starch synthase precursor [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15477 | Strand | + |
| Start | 6062 | End | 6334 |
| Name | OJ990701_02.9922.C6.o3.gs | Method | GENSCAN |
| Start | 6062 | End | 6334 |
| GI | none | Score | .6 |
| Exons | 6062..6334 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15478 | Strand | + |
| Start | 7165 | End | 9621 |
| Name | OJ990701_02.9922.C6.o4.np | Method | AAT/NAP |
| Start | 7165 | End | 9621 |
| GI | 5295948 | Score | 2329 |
| Exons | 7165..7270, 7450..7745, 7977..8194, 8245..8806, 9352..9621 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15479 | Strand | + |
| Start | 14165 | End | 14906 |
| Name | OJ990701_02.9922.C6.o7.gs | Method | GENSCAN |
| Start | 14165 | End | 14906 |
| GI | none | Score | .69 |
| Exons | 14165..14375, 14791..14906 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o6.np | Method | AAT/NAP |
| Start | 16864 | End | 21789 |
| GI | 5295950 | Score | 2695 |
| Exons | 16864..16936, 17287..17647, 19181..19373, 19772..20323, 20412..20558, 21439..21789 | | |
| GI Descrip. | (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o8.gs | Method | GENSCAN |
| Start | 16864 | End | 20873 |
| GI | none | Score | .63 |
| Exons | 16864..16936, 17287..17647, 19181..19373, 19772..20323, 20412..20558, 20799..20873 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o2.gp | Method | AAT/GAP |

| | | | |
|---|---|---|---|
| Start | 17348 | End | 17758 |
| GI | LIB3433-037-P1-K1-H5 | Score | 770 |
| Exons | 17348..17758 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o3.gp | Method | AAT/GAP |
| Start | 18004 | End | 18314 |
| GI | LIB3475-011-P1-K1-B8 | Score | 583 |
| Exons | 18004..18314 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 1.0e-140 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o4.gp | Method | AAT/GAP |
| Start | 18433 | End | 18993 |
| GI | 72910_1.R1084 | Score | 808 |
| Exons | 18433..18993 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o5.gp | Method | AAT/GAP |
| Start | 19844 | End | 20250 |
| GI | LIB3434-021-P1-K1-G10 | Score | 773 |
| Exons | 19844..20250 | | |
| GI Descrip. | '5295950/dbj\|BAA81851.1\| 2.0e-70 (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15480 | Strand | + |
| Start | 16864 | End | 21910 |
| Name | OJ990701_02.9922.C6.o6.gp | Method | AAT/GAP |
| Start | 20409 | End | 21910 |
| GI | 97577_1.R1084 | Score | 1046 |
| Exons | 20409..20558, 21439..21910 | | |
| GI Descrip. | '5295950/dbj\|BAA81851.1\| 6.0e-90 (AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15481 | Strand | + |
| Start | 23790 | End | 24017 |
| Name | OJ990701_02.9922.C6.o7.np | Method | AAT/NAP |
| Start | 23790 | End | 24013 |
| GI | 5295951 | Score | 374 |
| Exons | 23790..24013 | | |
| GI Descrip. | (AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15481 | Strand | + |
| Start | 23790 | End | 24017 |
| Name | OJ990701_02.9922.C6.o9.gs | Method | GENSCAN |
| Start | 23790 | End | 24017 |
| GI | none | Score | .83 |
| Exons | 23790..24017 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15482 | Strand | - |
| Start | 1 | End | 1022 |
| Name | OJ990701_02.9922.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1022 |
| GI | 5295947 | Score | 478 |
| Exons | 1..57, 723..1022 | | |
| GI Descrip. | (AB026295) ESTs AU075322(C11109),D22430(C11109) correspond to a region of the predicted gene.; Rice gene for soluble starch synthase (SSS1), complete cds (exon1-15).(D38221) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15483 | Strand | - |
| Start | 6129 | End | 8831 |
| Name | OJ990701_02.9922.C6.o3.np | Method | AAT/NAP |
| Start | 6129 | End | 8557 |
| GI | 6721512 | Score | 156 |
| Exons | 6129..6173, 6287..6317, 6361..6494, 6522..6654, 7557..7715, 8519..8557 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15483 | Strand | - |
| Start | 6129 | End | 8831 |
| Name | OJ990701_02.9922.C6.o4.gs | Method | GENSCAN |
| Start | 6971 | End | 8831 |
| GI | none | Score | .57 |
| Exons | 6971..7114, 7629..7766, 7875..7998, 8055..8224, 8264..8677, 8682..8831 | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15484 | Strand | - |
| Start | 11991 | End | 12317 |
| Name | OJ990701_02.9922.C6.o5.np | Method | AAT/NAP |
| Start | 11991 | End | 12317 |
| GI | 5295949 | Score | 499 |
| Exons | 11991..12317 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7352 | Seq. ID | OJ990701_02.9922.C6 |
| Gene No. | 15485 | Strand | - |
| Start | 24347 | End | 24490 |
| Name | OJ990701_02.9922.C6.o10.gs | Method | GENSCAN |
| Start | 24347 | End | 24490 |
| GI | none | Score | .99 |
| Exons | 24347..24490 | | |

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|---|---|---|---|
| Seq. No. | 7353 | Seq. ID | OJ990701_02.9922.C7 |

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|---|---|---|---|
| Gene No. | 15486 | Strand | + |
| Start | 231 | End | 2699 |
| Name | OJ990701_02.9922.C7.o1.np | Method | AAT/NAP |
| Start | 231 | End | 2696 |
| GI | 5295951 | Score | 3318 |
| Exons | 231..1588, 2128..2696 | | |
| GI Descrip. | (AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7353 | Seq. ID | OJ990701_02.9922.C7 |
| Gene No. | 15486 | Strand | + |
| Start | 231 | End | 2699 |
| Name | OJ990701_02.9922.C7.o1.gs | Method | GENSCAN |
| Start | 283 | End | 2699 |
| GI | none | Score | .85 |
| Exons | 283..1588, 2128..2699 | | |

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|---|---|---|---|
| Seq. No. | 7353 | Seq. ID | OJ990701_02.9922.C7 |
| Gene No. | 15487 | Strand | - |
| Start | 3489 | End | 3538 |
| Name | OJ990701_02.9922.C7.o2.gs | Method | GENSCAN |
| Start | 3489 | End | 3538 |
| GI | none | Score | .79 |
| Exons | 3489..3538 | | |

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|---|---|---|---|
| Seq. No. | 7354 | Seq. ID | OJ990701_02.9922.C8 |
| Gene No. | 15488 | Strand | + |
| Start | 416 | End | 549 |
| Name | OJ990701_02.9922.C8.o1.gs | Method | GENSCAN |
| Start | 416 | End | 549 |
| GI | none | Score | .67 |
| Exons | 416..549 | | |

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|---|---|---|---|
| Seq. No. | 7354 | Seq. ID | OJ990701_02.9922.C8 |
| Gene No. | 15489 | Strand | - |
| Start | 702 | End | 1280 |
| Name | OJ990701_02.9922.C8.o1.np | Method | AAT/NAP |
| Start | 702 | End | 1280 |
| GI | 6069646 | Score | 259 |
| Exons | 702..1280 | | |
| GI Descrip. | (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7354 | Seq. ID | OJ990701_02.9922.C8 |
| Gene No. | 15490 | Strand | - |
| Start | 1534 | End | 1965 |
| Name | OJ990701_02.9922.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 726 | End | 1272 |
| GI | none | Score | 113 |
| Exons | 726..854, 964..1272, 1064..1222 | | |

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|---|---|---|---|
| Seq. No. | 7354 | Seq. ID | OJ990701_02.9922.C8 |
| Gene No. | 15490 | Strand | - |
| Start | 1534 | End | 1965 |

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|---|---|---|---|
| Name | OJ990701_02.9922.C8.o2.gs | Method | GENSCAN |
| Start | 1534 | End | 1899 |
| GI | none | Score | .97 |
| Exons | 1534..1899 | | |

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|---|---|---|---|
| Seq. No. | 7354 | Seq. ID | OJ990701_02.9922.C8 |
| Gene No. | 15490 | Strand | - |
| Start | 1534 | End | 1965 |
| Name | OJ990701_02.9922.C8.o2.np | Method | AAT/NAP |
| Start | 1537 | End | 1965 |
| GI | 5295953 | Score | 585 |
| Exons | 1537..1965 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15491 | Strand | + |
| Start | 43 | End | 4097 |
| Name | OJ990701_02.9922.C9.o1.gp | Method | AAT/GAP |
| Start | 43 | End | 459 |
| GI | LIB3431-022-P1-N1-F9 | Score | 728 |
| Exons | 43..459 | | |
| GI Descrip. | '5295936/dbj\|AB026295.2\|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15491 | Strand | + |
| Start | 43 | End | 4097 |
| Name | OJ990701_02.9922.C9.o1.gs | Method | GENSCAN |
| Start | 153 | End | 4097 |
| GI | none | Score | .55 |
| Exons | 153..416, 1001..1192, 3673..3747, 3840..3921, 3965..4078, 4084..4097 | | |

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|---|---|---|---|
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15491 | Strand | + |
| Start | 43 | End | 4097 |
| Name | OJ990701_02.9922.C9.o2.np | Method | AAT/NAP |
| Start | 989 | End | 1865 |
| GI | 5295954 | Score | 782 |
| Exons | 989..1390, 1752..1865 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15492 | Strand | - |
| Start | 1 | End | 494 |
| Name | OJ990701_02.9922.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 494 |
| GI | 5295953 | Score | 458 |
| Exons | 1..28, 147..494 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15493 | Strand | - |
| Start | 2772 | End | 6302 |
| Name | OJ990701_02.9922.C9.o3.np | Method | AAT/NAP |
| Start | 2772 | End | 5724 |
| GI | 5295955 | Score | 1893 |

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|---|---|---|---|
| Exons | 2772..2832, 3183..3770, 3850..4254, 4935..5047, 5590..5724 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15493 | Strand | - |
| Start | 2772 | End | 6302 |
| Name | OJ990701_02.9922.C9.o4.np | Method | AAT/NAP |
| Start | 3122 | End | 6302 |
| GI | 5295955 | Score | 2119 |
| Exons | 3122..3770, 3850..4254, 4935..5047, 5590..5659, 6106..6302 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |
| Seq. No. | 7355 | Seq. ID | OJ990701_02.9922.C9 |
| Gene No. | 15493 | Strand | - |
| Start | 2772 | End | 6302 |
| Name | OJ990701_02.9922.C9.o2.gs | Method | GENSCAN |
| Start | 4430 | End | 5659 |
| GI | none | Score | .55 |
| Exons | 4430..4518, 4926..4983, 5522..5659 | | |
| Seq. No. | 7356 | Seq. ID | OJ990701_02.9922.C10 |
| Gene No. | 15494 | Strand | + |
| Start | 1185 | End | 1442 |
| Name | OJ990701_02.9922.C10.o1.gs | Method | GENSCAN |
| Start | 1185 | End | 1442 |
| GI | none | Score | .52 |
| Exons | 1185..1442 | | |
| Seq. No. | 7356 | Seq. ID | OJ990701_02.9922.C10 |
| Gene No. | 15495 | Strand | - |
| Start | 1 | End | 437 |
| Name | OJ990701_02.9922.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 437 |
| GI | 5295955 | Score | 717 |
| Exons | 1..437 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |
| Seq. No. | 7356 | Seq. ID | OJ990701_02.9922.C10 |
| Gene No. | 15496 | Strand | - |
| Start | 1892 | End | 2251 |
| Name | OJ990701_02.9922.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 585 | End | 1226 |
| GI | none | Score | 65 |
| Exons | 585..704, 588..713, 588..695, 596..703, 599..724, 627..722, 631..762, 648..722, 721..846, 721..846, 725..859, 725..850, 726..860, 726..887, 728..853, 739..894, 739..870, 746..868, 750..884, 751..873, 752..877, 753..860, 876..1001, 895..1005, 897..1025, 898..1008, 900..1022, 901..1023, 905..1012, 905..1015, 906..1022, 907..1014, 909..1013, 909..1022, 913..1044, 915..1028, 916..1044, 1035..1076, 1035..1139, 1085..1195, 1094..1195, 1097..1201, 1114..1203, 1114..1203, 1117..1209, 1120..1206, 1122..1208, 1124..1222, 1125..1205, 1128..1223, 1131..1226, 1132..1209 | | |

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|---|---|---|---|
| Seq. No. | 7356 | Seq. ID | OJ990701_02.9922.C10 |
| Gene No. | 15496 | Strand | - |
| Start | 1892 | End | 2251 |
| Name | OJ990701_02.9922.C10.o2.gs | Method | GENSCAN |
| Start | 1892 | End | 2251 |
| GI | none | Score | .85 |
| Exons | 1892..2004, 2209..2251 | | |

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|---|---|---|---|
| Seq. No. | 7357 | Seq. ID | OJ990701_02.9922.C11 |
| Gene No. | 15497 | Strand | + |
| Start | 1 | End | 1317 |
| Name | OJ990701_02.9922.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1112 |
| GI | 5295957 | Score | 855 |
| Exons | 1..370, 969..1112 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7357 | Seq. ID | OJ990701_02.9922.C11 |
| Gene No. | 15497 | Strand | + |
| Start | 1 | End | 1317 |
| Name | OJ990701_02.9922.C11.o1.gs | Method | GENSCAN |
| Start | 32 | End | 1317 |
| GI | none | Score | .66 |
| Exons | 32..370, 969..1107, 1126..1248, 1310..1317 | | |

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|---|---|---|---|
| Seq. No. | 7357 | Seq. ID | OJ990701_02.9922.C11 |
| Gene No. | 15498 | Strand | + |
| Start | 2925 | End | 3455 |
| Name | OJ990701_02.9922.C11.o2.np | Method | AAT/NAP |
| Start | 2925 | End | 3455 |
| GI | 5295958 | Score | 153 |
| Exons | 2925..3115, 3180..3455 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15499 | Strand | + |
| Start | 1 | End | 1308 |
| Name | OJ990701_02.9922.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 427 |
| GI | 5295948 | Score | 54 |
| Exons | 1..28, 213..427 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15499 | Strand | + |
| Start | 1 | End | 1308 |
| Name | OJ990701_02.9922.C12.o1.gs | Method | GENSCAN |
| Start | 155 | End | 1308 |
| GI | none | Score | .63 |
| Exons | 155..416, 643..675, 1271..1308 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15500 | Strand | + |
| Start | 2461 | End | 3513 |
| Name | OJ990701_02.9922.C12.o2.np | Method | AAT/NAP |
| Start | 2461 | End | 3513 |
| GI | 5295959 | Score | 1122 |

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|---|---|---|---|
| Exons | 2461..2565, 2971..3513 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |
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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15501 | Strand | + |
| Start | 9172 | End | 9814 |
| Name | OJ990701_02.9922.C12.o4.np | Method | AAT/NAP |
| Start | 9172 | End | 9814 |
| GI | 5295959 | Score | 493 |
| Exons | 9172..9814 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |
| | | | |
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15502 | Strand | + |
| Start | 12834 | End | 14753 |
| Name | OJ990701_02.9922.C12.o4.gs | Method | GENSCAN |
| Start | 12834 | End | 14753 |
| GI | none | Score | .93 |
| Exons | 12834..13321, 13801..14122, 14505..14753 | | |
| | | | |
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15502 | Strand | + |
| Start | 12834 | End | 14753 |
| Name | OJ990701_02.9922.C12.o5.np | Method | AAT/NAP |
| Start | 12834 | End | 14750 |
| GI | 5295961 | Score | 1789 |
| Exons | 12834..13321, 13801..14122, 14505..14750 | | |
| GI Descrip. | (AB026295) Similar to leucoanthocyanidin dioxygenase.(AI440611) [Oryza sativa] | | |
| | | | |
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15503 | Strand | - |
| Start | 2238 | End | 9996 |
| Name | OJ990701_02.9922.C12.o2.gs | Method | GENSCAN |
| Start | 2238 | End | 6951 |
| GI | none | Score | .78 |
| Exons | 2238..2538, 2709..2815, 3082..3428, 3971..4048, 5394..5501, 6702..6951 | | |
| | | | |
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15503 | Strand | - |
| Start | 2238 | End | 9996 |
| Name | OJ990701_02.9922.C12.o3.np | Method | AAT/NAP |
| Start | 6782 | End | 7517 |
| GI | 5295960 | Score | 860 |
| Exons | 6782..6996, 7217..7517 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |
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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15503 | Strand | - |
| Start | 2238 | End | 9996 |
| Name | OJ990701_02.9922.C12.o3.gs | Method | GENSCAN |
| Start | 7122 | End | 9996 |
| GI | none | Score | .77 |
| Exons | 7122..7696, 7875..8000, 8446..8815, 8874..8922, 9026..9056, 9126..9531, 9536..9718, 9796..9996 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15504 | Strand | - |
| Start | 15315 | End | 20330 |
| Name | OJ990701_02.9922.C12.o5.gs | Method | GENSCAN |
| Start | 15315 | End | 20330 |
| GI | none | Score | .86 |
| Exons | 15315..15419, 15523..15686, 15978..16296, 17062..17200, 17449..17530, 18019..18097, 18443..18622, 19119..19378, 19500..19602, 19777..19917, 20226..20330 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 13020 | End | 13999 |
| GI | none | Score | 127 |
| Exons | 13020..13097, 13023..13130, 13125..13196, 13182..13217, 13230..13340, 13256..13303, 13799..13999, 13801..13998, 13817..13999 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o2.tc | Method | TBLASTX:Cress |
| Start | 13038 | End | 14056 |
| GI | none | Score | 95 |
| Exons | 13038..13160, 13224..13319, 13781..14002, 13814..14056 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 13798 | End | 13957 |
| GI | none | Score | 65 |
| Exons | 13798..13845, 13799..13855, 13802..13846, 13832..13957, 13838..13951, 13849..13956 | | |

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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 13957 | End | 14762 |
| GI | none | Score | 191 |
| Exons | 13957..14121, 13959..14120, 13963..14121, 13964..14128, 13964..14122, 14342..14380, 14491..14757, 14502..14759, 14503..14754, 14504..14761, 14505..14762 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 14000 | End | 14747 |
| GI | none | Score | 83 |
| Exons | 14000..14059, 14063..14128, 14504..14746, 14505..14747 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |

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|---|---|---|---|
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 14504 | End | 14741 |
| GI | none | Score | 157 |
| Exons | 14504..14602, 14505..14633, 14649..14741, 14663..14740 | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 15318 | End | 15663 |
| GI | none | Score | 90 |
| Exons | 15318..15419, 15328..15420, 15520..15663 | | |

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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 19189 | End | 19573 |
| GI | none | Score | 77 |
| Exons | 19189..19275, 19191..19259, 19266..19379, 19267..19380, 19498..19539, 19499..19573 | | |

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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o6.gs | Method | GENSCAN |
| Start | 21374 | End | 24187 |
| GI | none | Score | .96 |
| Exons | 21374..21588, 21844..21943, 22416..22475, 22689..22736, 22827..22931, 24118..24187 | | |

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| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o1.gp | Method | AAT/GAP |
| Start | 21657 | End | 22181 |
| GI | 360_4.R1084 | Score | 1034 |
| Exons | 21657..22181 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7358 | Seq. ID | OJ990701_02.9922.C12 |
| Gene No. | 15505 | Strand | - |
| Start | 21374 | End | 24245 |
| Name | OJ990701_02.9922.C12.o7.np | Method | AAT/NAP |
| Start | 21851 | End | 24245 |
| GI | 4218115 | Score | 312 |
| Exons | 21851..21943, 22689..22736, 22827..22915, 23331..23379, 24118..24245 | | |
| GI Descrip. | (AL035353) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7359 | Seq. ID | OJ990701_02.9922.C13 |
| Gene No. | 15506 | Strand | - |
| Start | 241 | End | 729 |
| Name | OJ990701_02.9922.C13.o1.np | Method | AAT/NAP |
| Start | 165 | End | 546 |

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|---|---|---|---|
| GI | 5295952 | Score | 508 |
| Exons | 165..272, 337..546 | | |
| GI Descrip. | (AB026295) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7359 | Seq. ID | OJ990701_02.9922.C13 |
| Gene No. | 15506 | Strand | - |
| Start | 241 | End | 729 |
| Name | OJ990701_02.9922.C13.o1.gs | Method | GENSCAN |
| Start | 241 | End | 729 |
| GI | none | Score | .65 |
| Exons | 241..603, 608..729 | | |

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|---|---|---|---|
| Seq. No. | 7360 | Seq. ID | OJ990701_02.9922.C14 |
| Gene No. | 15507 | Strand | + |
| Start | 340 | End | 410 |
| Name | OJ990701_02.9922.C14.o1.gs | Method | GENSCAN |
| Start | 340 | End | 410 |
| GI | none | Score | .65 |
| Exons | 340..410 | | |

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|---|---|---|---|
| Seq. No. | 7360 | Seq. ID | OJ990701_02.9922.C14 |
| Gene No. | 15508 | Strand | - |
| Start | 1364 | End | 1427 |
| Name | OJ990701_02.9922.C14.o2.gs | Method | GENSCAN |
| Start | 1364 | End | 1427 |
| GI | none | Score | .58 |
| Exons | 1364..1427 | | |

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|---|---|---|---|
| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15509 | Strand | + |
| Start | 1766 | End | 2233 |
| Name | OJ990701_01.9919.C3.o1.gs | Method | GENSCAN |
| Start | 1766 | End | 2233 |
| GI | none | Score | .47 |
| Exons | 1766..1970, 2089..2233 | | |

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|---|---|---|---|
| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15510 | Strand | + |
| Start | 3259 | End | 3592 |
| Name | OJ990701_01.9919.C3.o1.gp | Method | AAT/GAP |
| Start | 3259 | End | 3592 |
| GI | 17756_2.R1084 | Score | 375 |
| Exons | 3259..3453, 3559..3592 | | |
| GI Descrip. | '4220479 1.0e-22 (AC006069) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15511 | Strand | + |
| Start | 3752 | End | 6090 |
| Name | OJ990701_01.9919.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 11 | End | 350 |
| GI | none | Score | 55 |
| Exons | 11..91, 77..349, 90..350 | | |

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|---|---|---|---|
| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15511 | Strand | + |
| Start | 3752 | End | 6090 |

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|---|---|---|---|
| Name | OJ990701_01.9919.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 240 | End | 527 |
| GI | none | Score | 266 |
| Exons | 240..527, 240..509 | | |

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| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15511 | Strand | + |
| Start | 3752 | End | 6090 |
| Name | OJ990701_01.9919.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 1762 | End | 6090 |
| GI | none | Score | 236 |
| Exons | 1762..1971, 1795..1971, 2070..2210, 2087..2236, 2087..2200, 2089..2235, 2244..2282, 2252..2281, 2313..2432, 2317..2445, 2318..2446, 3252..3329, 3254..3322, 3267..3329, 3324..3458, 3325..3453, 3573..3749, 3574..3750, 3602..3748, 3747..3887, 3748..3888, 3749..3883, 3752..3892, 5982..6089, 6001..6090, 6002..6085 | | |

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| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15511 | Strand | + |
| Start | 3752 | End | 6090 |
| Name | OJ990701_01.9919.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 3285 | End | 3752 |
| GI | none | Score | 47 |
| Exons | 3285..3329, 3324..3458, 3325..3453, 3573..3752, 3585..3695, 3598..3699, 3602..3751 | | |

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| Seq. No. | 7361 | Seq. ID | OJ990701_01.9919.C3 |
| Gene No. | 15511 | Strand | + |
| Start | 3752 | End | 6090 |
| Name | OJ990701_01.9919.C3.o2.gs | Method | GENSCAN |
| Start | 3752 | End | 5590 |
| GI | none | Score | .93 |
| Exons | 3752..3885, 5078..5220, 5361..5590 | | |

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|---|---|---|---|
| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15512 | Strand | + |
| Start | 2317 | End | 13225 |
| Name | OJ990701_01.9919.C4.o1.gs | Method | GENSCAN |
| Start | 2317 | End | 13225 |
| GI | none | Score | .72 |
| Exons | 2317..2436, 3174..3473, 3596..3802, 5180..5244, 5858..6002, 8326..8475, 8880..8907, 9500..9655, 10212..10366, 10607..10727, 13008..13225 | | |

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| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15512 | Strand | + |
| Start | 2317 | End | 13225 |
| Name | OJ990701_01.9919.C4.o1.np | Method | AAT/NAP |
| Start | 3183 | End | 6057 |
| GI | 1652082 | Score | 390 |
| Exons | 3183..3470, 3596..3806, 4725..4816, 5180..5244, 5861..6057 | | |
| GI Descrip. | (D90902) UDP-3-O-acyl N-acetylglcosamine deacetylase [Synechocystis sp.] | | |

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|---|---|---|---|
| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15513 | Strand | - |

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|---|---|---|---|
| Start | 11130 | End | 12617 |
| Name | OJ990701_01.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 3171 | End | 3470 |
| GI | none | Score | 104 |
| Exons | 3171..3293, 3173..3295, 3350..3454, 3351..3470 | | |

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|---|---|---|---|
| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15513 | Strand | - |
| Start | 11130 | End | 12617 |
| Name | OJ990701_01.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 3593 | End | 5244 |
| GI | none | Score | 293 |
| Exons | 3593..3802, 3593..3799, 3595..3801, 3645..3803, 4715..4819, 4715..4816, 4720..4821, 5203..5244 | | |

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| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15513 | Strand | - |
| Start | 11130 | End | 12617 |
| Name | OJ990701_01.9919.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 5847 | End | 7640 |
| GI | none | Score | 215 |
| Exons | 5847..6002, 5856..6002, 7593..7640 | | |

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| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15513 | Strand | - |
| Start | 11130 | End | 12617 |
| Name | OJ990701_01.9919.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 5856 | End | 7634 |
| GI | none | Score | 198 |
| Exons | 5856..6002, 5867..5995, 7593..7634 | | |

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| Seq. No. | 7362 | Seq. ID | OJ990701_01.9919.C4 |
| Gene No. | 15513 | Strand | - |
| Start | 11130 | End | 12617 |
| Name | OJ990701_01.9919.C4.o2.np | Method | AAT/NAP |
| Start | 11130 | End | 12617 |
| GI | 5852093 | Score | 82 |
| Exons | 11130..11237, 12583..12617 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15514 | Strand | + |
| Start | 136 | End | 1550 |
| Name | OJ990701_01.9919.C5.o1.gs | Method | GENSCAN |
| Start | 136 | End | 1550 |
| GI | none | Score | .77 |
| Exons | 136..235, 1339..1550 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15515 | Strand | + |
| Start | 3432 | End | 5593 |
| Name | OJ990701_01.9919.C5.o2.gs | Method | GENSCAN |
| Start | 3432 | End | 5593 |
| GI | none | Score | .77 |
| Exons | 3432..3492, 3700..3787, 4587..4654, 5466..5593 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |

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|---|---|---|---|
| Gene No. | 15516 | Strand | + |
| Start | 7502 | End | 15723 |
| Name | OJ990701_01.9919.C5.o1.np | Method | AAT/NAP |
| Start | 7427 | End | 15723 |
| GI | 4210449 | Score | 707 |
| Exons | 7427..7625, 9329..9481, 9564..9962, 10140..10216, 10972..11164, 15677..15723 | | |
| GI Descrip. | (AB016471) ARR1 protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15516 | Strand | + |
| Start | 7502 | End | 15723 |
| Name | OJ990701_01.9919.C5.o3.gp | Method | AAT/GAP |
| Start | 7476 | End | 9846 |
| GI | 27227_1.R1084 | Score | 1108 |
| Exons | 7476..7625, 9329..9481, 9564..9846 | | |
| GI Descrip. | '4210449/dbj\|BAA74528\| 3.0e-53 (AB016471) ARR1 protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15516 | Strand | + |
| Start | 7502 | End | 15723 |
| Name | OJ990701_01.9919.C5.o3.gs | Method | GENSCAN |
| Start | 7502 | End | 12294 |
| GI | none | Score | .64 |
| Exons | 7502..7625, 9329..9481, 9564..9962, 11102..12294 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15516 | Strand | + |
| Start | 7502 | End | 15723 |
| Name | OJ990701_01.9919.C5.o4.gp | Method | AAT/GAP |
| Start | 11865 | End | 12906 |
| GI | none | Score | 1177 |
| Exons | 11865..12317, 12736..12906 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15516 | Strand | + |
| Start | 7502 | End | 15723 |
| Name | OJ990701_01.9919.C5.o5.gp | Method | AAT/GAP |
| Start | 13652 | End | 13968 |
| GI | none | Score | 594 |
| Exons | 13652..13968 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15517 | Strand | + |
| Start | 16413 | End | 16675 |
| Name | OJ990701_01.9919.C5.o6.gp | Method | AAT/GAP |
| Start | 16413 | End | 16675 |
| GI | uC-osroM202036a12a1 | Score | 390 |
| Exons | 16413..16675 | | |
| GI Descrip. | '2245136/emb\|CAB10557.1\| 3.0e-13 (Z97344) trehalose-6-phosphate synthase like protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15518 | Strand | + |
| Start | 18855 | End | 19050 |
| Name | OJ990701_01.9919.C5.o5.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 18855 | End | 19050 |
| GI | none | Score | .62 |
| Exons | 18855..19050 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15519 | Strand | - |
| Start | 13881 | End | 16917 |
| Name | OJ990701_01.9919.C5.o4.gs | Method | GENSCAN |
| Start | 13881 | End | 16917 |
| GI | none | Score | .89 |
| Exons | 13881..14195, 14288..14561, 14926..15755, 15787..16917 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15519 | Strand | - |
| Start | 13881 | End | 16917 |
| Name | OJ990701_01.9919.C5.o2.np | Method | AAT/NAP |
| Start | 13911 | End | 16917 |
| GI | 6553894 | Score | 3067 |
| Exons | 13911..14195, 14288..14561, 14926..16917 | | |
| GI Descrip. | (AC012563) putative trehalose-6-phosphate synthase [Arabidopsis thaliana] | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 7532 | End | 9700 |
| GI | none | Score | 111 |
| Exons | 7532..7621, 7534..7593, 9331..9495, 9364..9480, 9557..9700, 9568..9699 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o4.tc | Method | TBLASTX:Cress |
| Start | 7534 | End | 11157 |
| GI | none | Score | 114 |
| Exons | 7534..7623, 7535..7624, 9321..9479, 9322..9480, 9367..9468, 9557..9730, 9557..9700, 9565..9723, 9860..9961, 9886..9960, 10139..10216, 10141..10206, 11041..11157 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 9331 | End | 9486 |
| GI | none | Score | 184 |
| Exons | 9331..9486, 9363..9485, 9364..9486 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 9391 | End | 9963 |
| GI | none | Score | 139 |
| Exons | 9391..9480, 9391..9477, 9429..9485, 9557..9799, 9557..9721, 9565..9813, 9854..9961, 9877..9963 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o8.tm | Method | TBLASTX:Maize |
| Start | 9701 | End | 9909 |
| GI | none | Score | 179 |
| Exons | 9701..9907, 9702..9908, 9702..9908, 9703..9909, 9862..9909 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 10962 | End | 11460 |
| GI | none | Score | 479 |
| Exons | 10962..11459, 10963..11460, 10965..11450, 10972..11460 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 11461 | End | 11691 |
| GI | none | Score | 290 |
| Exons | 11461..11691, 11462..11689, 11463..11690 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 11692 | End | 12896 |
| GI | none | Score | 40 |
| Exons | 11692..11736, 11694..11735, 11740..11862, 11745..11861, 11851..12060, 11855..11929, 11923..12015, 11992..12099, 12000..12101, 12015..12101, 12102..12215, 12109..12315, 12113..12316, 12114..12332, 12276..12359, 12759..12779, 12789..12863, 12814..12870, 12814..12888, 12815..12889, 12822..12896 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 13887 | End | 14061 |
| GI | none | Score | 86 |
| Exons | 13887..14060, 13911..13988, 13930..14061 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 13920 | End | 14563 |
| GI | none | Score | 102 |
| Exons | 13920..14012, 13933..14013, 14004..14198, 14011..14199, 14288..14518, 14288..14563, 14322..14552 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |

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|---|---|---|---|
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 13920 | End | 15467 |
| GI | none | Score | 117 |
| Exons | 13920..14105, 13930..14058, 14055..14198, 14056..14199, 14288..14551, 14288..14569, 14301..14570, 14925..14972, 14926..14973, 14973..15089, 15011..15061, 15063..15467, 15097..15465 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 14064 | End | 16173 |
| GI | none | Score | 69 |
| Exons | 14064..14129, 14076..14129, 14083..14130, 14127..14198, 14139..14198, 14288..14572, 14301..14570, 14925..14978, 14926..14973, 14973..15092, 15005..15034, 15093..15209, 15093..15761, 15094..15345, 15378..15470, 15421..15480, 15534..15761, 15646..15765, 15772..16173, 15776..15874, 15778..15897, 15935..16144 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 14288 | End | 14570 |
| GI | none | Score | 129 |
| Exons | 14288..14542, 14288..14494, 14319..14570 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 15006 | End | 15602 |
| GI | none | Score | 253 |
| Exons | 15006..15092, 15079..15480, 15090..15602, 15541..15594 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 15228 | End | 15570 |
| GI | none | Score | 86 |
| Exons | 15228..15497, 15229..15351, 15421..15480, 15525..15569, 15541..15570 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 15468 | End | 16468 |
| GI | none | Score | 71 |
| Exons | 15468..15761, 15541..15600, 15652..15765, 15772..15915, 15776..15874, 15934..16344, 15935..16315, 16345..16416, 16420..16467, 16424..16468 | | |

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|---|---|---|---|
| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o5.tc | Method | TBLASTX:Cress |
| Start | 15775 | End | 16197 |
| GI | none | Score | 153 |
| Exons | 15775..15909, 15913..16047, 16078..16197 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 16174 | End | 16610 |
| GI | none | Score | 188 |
| Exons | 16174..16407, 16175..16408, 16420..16497, 16421..16489, 16500..16610, 16501..16593 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 16198 | End | 16745 |
| GI | none | Score | 240 |
| Exons | 16198..16485, 16199..16480, 16491..16664, 16495..16614, 16697..16741, 16701..16745 | | |

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| Seq. No. | 7363 | Seq. ID | OJ990701_01.9919.C5 |
| Gene No. | 15520 | Strand | - |
| Start | 16958 | End | 17557 |
| Name | OJ990701_01.9919.C5.o7.gp | Method | AAT/GAP |
| Start | 16958 | End | 17557 |
| GI | none | Score | 912 |
| Exons | 16958..17409, 17522..17557 | | |

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|---|---|---|---|
| Seq. No. | 7364 | Seq. ID | OJ990701_01.9919.C6 |
| Gene No. | 15521 | Strand | + |
| Start | 8640 | End | 8712 |
| Name | OJ990701_01.9919.C6.o1.gp | Method | AAT/GAP |
| Start | 8640 | End | 8712 |
| GI | 2312838 | Score | 78 |
| Exons | 8640..8712 | | |
| GI Descrip. | 1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence | | |

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|---|---|---|---|
| Seq. No. | 7364 | Seq. ID | OJ990701_01.9919.C6 |
| Gene No. | 15522 | Strand | - |
| Start | 76 | End | 8854 |
| Name | OJ990701_01.9919.C6.o1.gs | Method | GENSCAN |
| Start | 76 | End | 8238 |
| GI | none | Score | .61 |
| Exons | 76..401, 495..653, 3973..4067, 5154..5224, 6555..6619, 7109..7333, 7592..7673, 7725..7925, 8048..8238 | | |

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|---|---|---|---|
| Seq. No. | 7364 | Seq. ID | OJ990701_01.9919.C6 |
| Gene No. | 15522 | Strand | - |
| Start | 76 | End | 8854 |
| Name | OJ990701_01.9919.C6.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 5414 | End | 8854 |
| GI | 6006359 | Score | 68 |
| Exons | 5414..5434, 7159..7259, 8836..8854 | | |
| GI Descrip. | (AP000559) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15523 | Strand | + |
| Start | 138 | End | 2112 |
| Name | OJ990701_01.9919.C7.o1.gs | Method | GENSCAN |
| Start | 138 | End | 2112 |
| GI | none | Score | .77 |
| Exons | 138..145, 1412..1451, 1799..1851, 2010..2112 | | |

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|---|---|---|---|
| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15524 | Strand | + |
| Start | 2524 | End | 7707 |
| Name | OJ990701_01.9919.C7.o1.np | Method | AAT/NAP |
| Start | 2524 | End | 7707 |
| GI | 3256068 | Score | 492 |
| Exons | 2524..2711, 3012..3194, 4426..4978, 7269..7380, 7690..7707 | | |
| GI Descrip. | (Y14068) Heat Shock Factor 3 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15524 | Strand | + |
| Start | 2524 | End | 7707 |
| Name | OJ990701_01.9919.C7.o2.gs | Method | GENSCAN |
| Start | 2871 | End | 5322 |
| GI | none | Score | .56 |
| Exons | 2871..3194, 4426..5322 | | |

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|---|---|---|---|
| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15525 | Strand | + |
| Start | 9281 | End | 9358 |
| Name | OJ990701_01.9919.C7.o1.gp | Method | AAT/GAP |
| Start | 9281 | End | 9358 |
| GI | 3759960 | Score | 65 |
| Exons | 9281..9358 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15526 | Strand | - |
| Start | 6385 | End | 8320 |
| Name | OJ990701_01.9919.C7.o3.gs | Method | GENSCAN |
| Start | 6385 | End | 8320 |
| GI | none | Score | .59 |
| Exons | 6385..6491, 6574..6676, 6823..6947, 7339..7532, 7901..8016, 8057..8128, 8141..8320 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 2758 | End | 4664 |
| GI | none | Score | 35 |
| Exons | 2758..2814, 2816..2845, 2825..2848, 2863..2901, 2865..2900, 2996..3136, 2997..3137, 3135..3194, 3165..3194, 4419..4664, 4426..4662 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 3005 | End | 4500 |
| GI | none | Score | 136 |
| Exons | 3005..3136, 3018..3137, 3135..3194, 4426..4500 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 3011 | End | 4818 |
| GI | none | Score | 112 |
| Exons | 3011..3112, 3012..3125, 3135..3194, 4423..4503, 4426..4521, 4579..4815, 4612..4818 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o2.tc | Method | TBLASTX:Cress |
| Start | 3017 | End | 4818 |
| GI | none | Score | 140 |
| Exons | 3017..3136, 3018..3137, 3135..3194, 3160..3198, 4419..4520, 4426..4521, 4605..4697, 4612..4818, 4627..4818 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 4706 | End | 5311 |
| GI | none | Score | 108 |
| Exons | 4706..4795, 4706..4795, 4707..4817, 4708..4818, 4836..4973, 4837..4989, 4989..5069, 5009..5128, 5032..5250, 5081..5143, 5165..5248, 5232..5309, 5240..5311, 5241..5309, 5242..5310 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o4.gs | Method | GENSCAN |
| Start | 10509 | End | 11548 |
| GI | none | Score | .78 |
| Exons | 10509..11017, 11338..11548 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o2.np | Method | AAT/NAP |
| Start | 10596 | End | 11548 |
| GI | 6714299 | Score | 564 |
| Exons | 10596..11548 | | |
| GI Descrip. | (AC013354) F15H18.14 [Arabidopsis thaliana] | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o2.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 10605 | End | 11086 |
| GI | none | Score | 81 |
| Exons | 10605..10778, 10615..10776, 10788..10991, 10789..10986, 10985..11035, 11030..11086 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 10608 | End | 11095 |
| GI | none | Score | 81 |
| Exons | 10608..10781, 10609..10785, 10771..10986, 10788..10991, 10994..11095 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o2.gp | Method | AAT/GAP |
| Start | 10682 | End | 11003 |
| GI | LIB3475-001-P1-K2-C2 | Score | 580 |
| Exons | 10682..11003 | | |
| GI Descrip. | '5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 10711 | End | 11548 |
| GI | none | Score | 185 |
| Exons | 10711..10989, 10725..10988, 10988..11095, 11189..11239, 11342..11419, 11346..11408, 11522..11548 | | |

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| Seq. No. | 7365 | Seq. ID | OJ990701_01.9919.C7 |
| Gene No. | 15527 | Strand | - |
| Start | 10509 | End | 11548 |
| Name | OJ990701_01.9919.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 11195 | End | 11548 |
| GI | none | Score | 67 |
| Exons | 11195..11323, 11201..11263, 11339..11434, 11340..11426, 11480..11548 | | |

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|---|---|---|---|
| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15528 | Strand | + |
| Start | 2840 | End | 3313 |
| Name | OJ990701_01.9919.C8.o2.gp | Method | AAT/GAP |
| Start | 2840 | End | 3313 |
| GI | 38782_1.R1084 | Score | 829 |
| Exons | 2840..3313 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1385 |

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|---|---|---|---|
| GI | 6907086 | Score | 977 |
| Exons | 1..223, 440..678, 736..1385 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o1.gs | Method | GENSCAN |
| Start | 752 | End | 17553 |
| GI | none | Score | .57 |
| Exons | 752..1143, 2072..2153, 2329..2485, 2944..3112, 4501..4791, 4832..4958, 6179..6253, 7278..7304, 7429..7488, 8578..8649, 8876..9028, 9691..9864, 10976..11156, 12592..12758, 13822..13992, 14097..14713, 14921..15094, 15894..16023, 16873..17553 | | |

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|---|---|---|---|
| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o1.gp | Method | AAT/GAP |
| Start | 1477 | End | 1655 |
| GI | 5667165 | Score | 273 |
| Exons | 1477..1655 | | |
| GI Descrip. | 5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence | | |

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| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o2.np | Method | AAT/NAP |
| Start | 2082 | End | 5563 |
| GI | 4680186 | Score | 203 |
| Exons | 2082..2506, 3035..3093, 4544..4759, 5485..5563 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o3.gp | Method | AAT/GAP |
| Start | 16445 | End | 16810 |
| GI | 2311913 | Score | 686 |
| Exons | 16445..16810 | | |

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|---|---|---|---|
| Seq. No. | 7366 | Seq. ID | OJ990701_01.9919.C8 |
| Gene No. | 15529 | Strand | - |
| Start | 1 | End | 17553 |
| Name | OJ990701_01.9919.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 16817 | End | 17259 |
| GI | none | Score | 175 |
| Exons | 16817..16993, 16819..17259, 16819..17259 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15530 | Strand | + |
| Start | 822 | End | 4660 |
| Name | OJ990701_01.9919.C9.o1.gs | Method | GENSCAN |
| Start | 822 | End | 4660 |
| GI | none | Score | .91 |

Exons 822..985, 2218..2644, 3310..3399, 4069..4140, 4337..4660

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15530 | Strand | + |
| Start | 822 | End | 4660 |
| Name | OJ990701_01.9919.C9.o1.np | Method | AAT/NAP |
| Start | 1559 | End | 2644 |
| GI | 4982519 | Score | 93 |
| Exons | 1559..1609, 2405..2644 | | |
| GI Descrip. | (AC000107) F17F8.25 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o3.gs | Method | GENSCAN |
| Start | 7567 | End | 23859 |
| GI | none | Score | .64 |
| Exons | 7567..7973, 8175..8302, 8403..10178, 10763..11478, 12512..12670, 12840..13149, 13757..13824, 14317..14773, 15585..15988, 16122..16174, 16749..16896, 17041..17148, 17720..17787, 18809..18932, 19030..19176, 19508..19768, 19848..20132, 20759..20902, 21528..21878, 22368..22433, 22533..22673, 23659..23859 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o3.np | Method | AAT/NAP |
| Start | 7798 | End | 14847 |
| GI | 4755186 | Score | 2549 |
| Exons | 7798..7973, 8175..8277, 8396..10178, 10763..11478, 12840..13149, 13757..13824, 14317..14847 | | |
| GI Descrip. | (AC007018) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o2.gp | Method | AAT/GAP |
| Start | 8647 | End | 9066 |
| GI | 2427366 | Score | 778 |
| Exons | 8647..9066 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o3.gp | Method | AAT/GAP |
| Start | 12639 | End | 13077 |
| GI | 2310059 | Score | 496 |
| Exons | 12639..12670, 12840..13077 | | |
| GI Descrip. | 4755186/gb\|AAD29053.1\|AC007018_1 1.0e-20 (AC007018) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o4.gp | Method | AAT/GAP |
| Start | 14681 | End | 15085 |

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|---|---|---|---|
| GI | 3761322 | Score | 737 |
| Exons | 14681..15085 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o4.np | Method | AAT/NAP |
| Start | 15717 | End | 22519 |
| GI | 6382012 | Score | 653 |
| Exons | 15717..15988, 16696..16905, 17041..17148, 17720..17787, 18809..18932, 19030..19176, 19508..19571, 19620..19768, 19848..20158, 21530..21803, 22427..22519 | | |
| GI Descrip. | (AB032960) KIAA1134 protein [Homo sapiens] | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o5.gp | Method | AAT/GAP |
| Start | 15753 | End | 17082 |
| GI | LIB3475-012-P1-K1-B10 | Score | 826 |
| Exons | 15753..15988, 16122..16174, 16749..16896, 17041..17082 | | |
| GI Descrip. | '4768831/gb\|AAD29633.1\|AF116827_1 1.0e-10 (AF116827) unknown [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o6.gp | Method | AAT/GAP |
| Start | 19670 | End | 20882 |
| GI | uC-osroM202025c06b1 | Score | 921 |
| Exons | 19670..19768, 19848..20132, 20759..20882 | | |
| GI Descrip. | '4768831/gb\|AAD29633.1\|AF116827_1 4.0e-20 (AF116827) unknown [Homo sapiens]' | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15531 | Strand | + |
| Start | 7567 | End | 23859 |
| Name | OJ990701_01.9919.C9.o5.np | Method | AAT/NAP |
| Start | 22743 | End | 22822 |
| GI | 5852084 | Score | 86 |
| Exons | 22743..22822 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15532 | Strand | - |
| Start | 4952 | End | 5906 |
| Name | OJ990701_01.9919.C9.o2.np | Method | AAT/NAP |
| Start | 4943 | End | 5273 |
| GI | 6539588 | Score | 279 |
| Exons | 4943..5273 | | |
| GI Descrip. | (AP000837) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15532 | Strand | - |
| Start | 4952 | End | 5906 |
| Name | OJ990701_01.9919.C9.o2.gs | Method | GENSCAN |
| Start | 4952 | End | 5577 |

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|---|---|---|---|
| GI | none | Score | .57 |
| Exons | 4952..5214, 5484..5577 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15532 | Strand | - |
| Start | 4952 | End | 5906 |
| Name | OJ990701_01.9919.C9.o1.gp | Method | AAT/GAP |
| Start | 5449 | End | 5906 |
| GI | 4968598 | Score | 765 |
| Exons | 5449..5906 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 9542 | End | 9813 |
| GI | none | Score | 342 |
| Exons | 9542..9811, 9544..9723, 9560..9772, 9616..9813 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 9797 | End | 10809 |
| GI | none | Score | 440 |
| Exons | 9797..10102, 9798..10142, 9811..10149, 9831..10178, 10761..10808, 10767..10808, 10768..10809 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 9965 | End | 10865 |
| GI | none | Score | 271 |
| Exons | 9965..10177, 9968..10048, 9970..10179, 9988..10179, 10761..10865, 10762..10860, 10767..10862 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 10828 | End | 11244 |
| GI | none | Score | 37 |
| Exons | 10828..10890, 10874..10999, 10879..11244, 10879..10992, 10899..11165 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o6.tm | Method | TBLASTX:Maize |
| Start | 12834 | End | 13050 |
| GI | none | Score | 295 |
| Exons | 12834..13043, 12838..13050 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |

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|---|---|---|---|
| Name | OJ990701_01.9919.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 14311 | End | 14847 |
| GI | none | Score | 300 |
| Exons | 14311..14553, 14313..14552, 14316..14561, 14387..14572, 14553..14810, 14554..14847, 14555..14818 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 15767 | End | 18876 |
| GI | none | Score | 341 |
| Exons | 15767..16000, 15773..16000, 16119..16175, 16119..16175, 16740..16895, 16747..16899, 16750..16899, 17032..17148, 17033..17146, 17040..17147, 17041..17148, 17717..17791, 17717..17788, 17719..17790, 18801..18875, 18802..18876, 18806..18874 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o4.ts | Method | TBLASTX:Soybean |
| Start | 15772 | End | 16910 |
| GI | none | Score | 62 |
| Exons | 15772..15834, 15779..15973, 15803..15973, 16686..16910, 16687..16899 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 15784 | End | 16839 |
| GI | none | Score | 210 |
| Exons | 15784..15969, 15785..15973, 15791..15985, 16740..16838, 16741..16839 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 18866 | End | 20135 |
| GI | none | Score | 91 |
| Exons | 18866..18934, 18867..18935, 19011..19175, 19027..19185, 19505..19576, 19508..19576, 19601..19774, 19605..19766, 19621..19767, 19824..20135, 19847..20125, 19851..20135 | | |

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|---|---|---|---|
| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 18878 | End | 19742 |
| GI | none | Score | 93 |
| Exons | 18878..18934, 18879..18935, 18879..18944, 18999..19178, 19003..19176, 19027..19185, 19505..19741, 19506..19742, 19508..19741 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |

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|---|---|---|---|
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 19743 | End | 21869 |
| GI | none | Score | 40 |
| Exons | 19743..19766, 19744..19767, 19748..19774, 19843..20133, 19847..20134, 19848..20135, 19848..20135, 20753..20902, 20760..20888, 20761..20901, 21471..21740, 21527..21730, 21528..21734, 21743..21868, 21744..21869, 21747..21869 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o5.ts | Method | TBLASTX:Soybean |
| Start | 21528 | End | 21731 |
| GI | none | Score | 197 |
| Exons | 21528..21731, 21542..21718 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 21806 | End | 22054 |
| GI | none | Score | 309 |
| Exons | 21806..21901, 21807..22049, 21840..22034, 21965..22054 | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o7.gp | Method | AAT/GAP |
| Start | 21871 | End | 22315 |
| GI | uC-osrocyp008h03a1 | Score | 846 |
| Exons | 21871..22315 | | |
| GI Descrip. | '5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence' | | |

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| Seq. No. | 7367 | Seq. ID | OJ990701_01.9919.C9 |
| Gene No. | 15533 | Strand | - |
| Start | 21871 | End | 22315 |
| Name | OJ990701_01.9919.C9.o7.tm | Method | TBLASTX:Maize |
| Start | 21876 | End | 22146 |
| GI | none | Score | 95 |
| Exons | 21876..21938, 21878..21913, 21880..21939, 21951..22049, 21977..22045, 21982..22050, 22111..22146 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15534 | Strand | + |
| Start | 1 | End | 3799 |
| Name | OJ990701_01.9919.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3799 |
| GI | 3242708 | Score | 1325 |
| Exons | 1..440, 1448..1512, 2512..3799 | | |
| GI Descrip. | (AC003040) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15534 | Strand | + |
| Start | 1 | End | 3799 |

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| Name | OJ990701_01.9919.C10.o1.gs | Method | GENSCAN |
| Start | 72 | End | 721 |
| GI | none | Score | .79 |
| Exons | 72..462, 657..721 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15535 | Strand | + |
| Start | 5671 | End | 6648 |
| Name | OJ990701_01.9919.C10.o3.gs | Method | GENSCAN |
| Start | 5671 | End | 6648 |
| GI | none | Score | .45 |
| Exons | 5671..5737, 6479..6648 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15536 | Strand | + |
| Start | 7761 | End | 10497 |
| Name | OJ990701_01.9919.C10.o4.gs | Method | GENSCAN |
| Start | 7761 | End | 10497 |
| GI | none | Score | .79 |
| Exons | 7761..7798, 7988..8158, 8668..8824, 8919..9077, 9310..9541, 9677..9977, 10162..10315, 10390..10497 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 179 | End | 1552 |
| GI | none | Score | 254 |
| Exons | 179..406, 180..446, 1450..1500, 1469..1501, 1505..1552, 1506..1538 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 2660 | End | 3547 |
| GI | none | Score | 243 |
| Exons | 2660..2962, 2683..2964, 2981..3151, 2989..3144, 3164..3400, 3247..3318, 3443..3547 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 2669 | End | 3638 |
| GI | none | Score | 179 |
| Exons | 2669..2923, 2680..2793, 2915..3064, 2957..3070, 2957..3046, 3053..3151, 3058..3147, 3164..3541, 3175..3501, 3564..3638 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 2681 | End | 2902 |
| GI | none | Score | 177 |
| Exons | 2681..2902 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 2849 | End | 3556 |
| GI | none | Score | 420 |
| Exons | 2849..3160, 2887..3144, 3160..3555, 3167..3556, 3443..3556 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 2909 | End | 3325 |
| GI | none | Score | 247 |
| Exons | 2909..3151, 3004..3147, 3027..3152, 3028..3153, 3144..3206, 3145..3234, 3176..3325, 3181..3297 | | |

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| Seq. No. | 7368 | Seq. ID | OJ990701_01.9919.C10 |
| Gene No. | 15537 | Strand | - |
| Start | 4411 | End | 7246 |
| Name | OJ990701_01.9919.C10.o1.gp | Method | AAT/GAP |
| Start | 4411 | End | 7246 |
| GI | LIB3477-003-P1-K1-E9 | Score | 133 |
| Exons | 4411..4463, 7197..7246 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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| Seq. No. | 7369 | Seq. ID | OJ990701_01.9919.C11 |
| Gene No. | 15538 | Strand | - |
| Start | 129 | End | 254 |
| Name | OJ990701_01.9919.C11.o1.gs | Method | GENSCAN |
| Start | 129 | End | 254 |
| GI | none | Score | .96 |
| Exons | 129..172, 252..254 | | |

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| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3495 |
| GI | 4220479 | Score | 1293 |
| Exons | 1..99, 613..686, 934..1015, 1160..1251, 1354..1461, 1568..1654, 1843..1937, 2016..2158, 2260..2288, 2376..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3495 | | |
| GI Descrip. | (AC006069) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 618 | End | 2652 |
| GI | none | Score | 75 |
| Exons | 618..689, 922..1017, 932..1012, 1159..1251, 1160..1252, 1347..1454, 1351..1470, 1352..1462, 1361..1474, 1565..1651, 1565..1663, 1569..1673, 1843..1944, 1844..1960, 1849..1938, 1851..1958, 2014..2154, 2014..2133, 2015..2179, 2015..2152, | | |

2244..2312, 2260..2289, 2374..2499, 2374..2496, 2376..2513, 2590..2652, 2591..2650

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| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o1.gs | Method | GENSCAN |
| Start | 621 | End | 3498 |
| GI | none | Score | .91 |
| Exons | 621..686, 934..1015, 1160..1251, 1354..1461, 1843..1937, 2016..2158, 2260..2288, 2376..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3498 | | |

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|---|---|---|---|
| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 1842 | End | 2462 |
| GI | none | Score | 109 |
| Exons | 1842..1943, 1844..1960, 1849..1938, 2014..2133, 2015..2179, 2018..2158, 2244..2312, 2260..2289, 2374..2460, 2376..2462, 2376..2462 | | |

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|---|---|---|---|
| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o1.gp | Method | AAT/GAP |
| Start | 2429 | End | 3779 |
| GI | 4715010 | Score | 1147 |
| Exons | 2429..2495, 2569..2658, 3040..3105, 3191..3304, 3406..3779 | | |
| GI Descrip. | 4220479 1.0e-22 (AC006069) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7370 | Seq. ID | OJ990701_01.9919.C12 |
| Gene No. | 15539 | Strand | - |
| Start | 1 | End | 3779 |
| Name | OJ990701_01.9919.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 3085 | End | 3492 |
| GI | none | Score | 116 |
| Exons | 3085..3108, 3191..3304, 3192..3305, 3403..3492 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15540 | Strand | + |
| Start | 3992 | End | 6694 |
| Name | OJ990701_01.9919.C13.o2.gs | Method | GENSCAN |
| Start | 3992 | End | 6202 |
| GI | none | Score | .82 |
| Exons | 3992..4162, 5507..6202 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15540 | Strand | + |
| Start | 3992 | End | 6694 |
| Name | OJ990701_01.9919.C13.o1.np | Method | AAT/NAP |
| Start | 4672 | End | 6694 |
| GI | 3746069 | Score | 608 |
| Exons | 4672..5070, 5214..6694 | | |
| GI Descrip. | (AC005311) putative non-LTR retroelement reverse transcriptase | | |

[Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15541 | Strand | - |
| Start | 43 | End | 2571 |
| Name | OJ990701_01.9919.C13.o1.gs | Method | GENSCAN |
| Start | 43 | End | 2571 |
| GI | none | Score | .4 |
| Exons | 43..487, 986..1023, 2187..2396, 2467..2571 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15542 | Strand | |
| Start | 4669 | End | 5023 |
| Name | OJ990701_01.9919.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 4669 | End | 5023 |
| GI | none | Score | 128 |
| Exons | 4669..4863, 4671..4886, 4773..5018, 4907..5023 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15543 | Strand | |
| Start | 5019 | End | 5788 |
| Name | OJ990701_01.9919.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 5019 | End | 5788 |
| GI | none | Score | 54 |
| Exons | 5019..5060, 5082..5492, 5513..5734, 5726..5788, 5728..5787 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15543 | Strand | |
| Start | 5019 | End | 5788 |
| Name | OJ990701_01.9919.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 5238 | End | 5650 |
| GI | none | Score | 210 |
| Exons | 5238..5504, 5498..5650, 5521..5634 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15544 | Strand | |
| Start | 5927 | End | 6682 |
| Name | OJ990701_01.9919.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 5927 | End | 6682 |
| GI | none | Score | 249 |
| Exons | 5927..6172, 5950..6153, 6059..6325, 6153..6284, 6227..6682, 6283..6369, 6409..6549 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15544 | Strand | |
| Start | 5927 | End | 6682 |
| Name | OJ990701_01.9919.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 5981 | End | 6292 |
| GI | none | Score | 211 |
| Exons | 5981..6154, 6001..6156, 6153..6212, 6159..6209, 6254..6292 | | |

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|---|---|---|---|
| Seq. No. | 7371 | Seq. ID | OJ990701_01.9919.C13 |
| Gene No. | 15544 | Strand | |
| Start | 5927 | End | 6682 |
| Name | OJ990701_01.9919.C13.o4.tw | Method | TBLASTX:Wheat |
| Start | 6293 | End | 6565 |
| GI | none | Score | 96 |

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|---|---|---|---|
| Exons | 6293..6403, 6410..6565 | | |
| Seq. No. | 7372 | Seq. ID | OJ990701_01.9919.C14 |
| Gene No. | 15545 | Strand | + |
| Start | 164 | End | 342 |
| Name | OJ990701_01.9919.C14.o1.gs | Method | GENSCAN |
| Start | 164 | End | 342 |
| GI | none | Score | .66 |
| Exons | 164..342 | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15546 | Strand | + |
| Start | 1 | End | 9676 |
| Name | OJ990701_03.9919.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 9676 |
| GI | 4868120 | Score | 536 |
| Exons | 1..375, 3311..3436, 4013..4121, 4201..4313, 4400..4581, 5106..5481, 5773..5970, 9456..9676 | | |
| GI Descrip. | (AF116556) putative transcription factor [Arabidopsis thaliana] | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15546 | Strand | + |
| Start | 1 | End | 9676 |
| Name | OJ990701_03.9919.C2.o1.gs | Method | GENSCAN |
| Start | 377 | End | 7782 |
| GI | none | Score | .77 |
| Exons | 377..1946, 2980..3436, 4013..4121, 4201..4343, 4400..4581, 5106..5568, 5959..6267, 6997..7074, 7130..7164, 7728..7782 | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15546 | Strand | + |
| Start | 1 | End | 9676 |
| Name | OJ990701_03.9919.C2.o1.gp | Method | AAT/GAP |
| Start | 1051 | End | 1254 |
| GI | none | Score | 379 |
| Exons | 1051..1254 | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15547 | Strand | + |
| Start | 9631 | End | 12336 |
| Name | OJ990701_03.9919.C2.o2.gs | Method | GENSCAN |
| Start | 9631 | End | 12336 |
| GI | none | Score | .4 |
| Exons | 9631..9764, 9771..9963, 10520..10577, 11153..11239, 11289..11622, 11656..11860, 12286..12336 | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15548 | Strand | + |
| Start | 14693 | End | 15487 |
| Name | OJ990701_03.9919.C2.o3.gs | Method | GENSCAN |
| Start | 14693 | End | 15487 |
| GI | none | Score | 1 |
| Exons | 14693..15487 | | |
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15549 | Strand | + |
| Start | 23076 | End | 26313 |

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|---|---|---|---|
| Name | OJ990701_03.9919.C2.o2.np | Method | AAT/NAP |
| Start | 23076 | End | 26310 |
| GI | 6907089 | Score | 4122 |
| Exons | 23076..24337, 24432..26310 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15549 | Strand | + |
| Start | 23076 | End | 26313 |
| Name | OJ990701_03.9919.C2.o5.gs | Method | GENSCAN |
| Start | 23076 | End | 26313 |
| GI | none | Score | .92 |
| Exons | 23076..24141, 24169..24337, 24432..26313 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15550 | Strand | - |
| Start | 7933 | End | 8137 |
| Name | OJ990701_03.9919.C2.o2.gp | Method | AAT/GAP |
| Start | 7933 | End | 8137 |
| GI | none | Score | 306 |
| Exons | 7933..8137 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o9.tm | Method | TBLASTX:Maize |
| Start | 1477 | End | 1919 |
| GI | none | Score | 166 |
| Exons | 1477..1692, 1477..1656, 1479..1700, 1703..1750, 1759..1830, 1798..1917, 1829..1918, 1860..1919 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o5.tm | Method | TBLASTX:Maize |
| Start | 2978 | End | 3256 |
| GI | none | Score | 183 |
| Exons | 2978..3172, 2980..3171, 2981..3172, 3178..3255, 3178..3255, 3179..3256, 3179..3256 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o7.tm | Method | TBLASTX:Maize |
| Start | 3299 | End | 4588 |
| GI | none | Score | 125 |
| Exons | 3299..3439, 3304..3435, 3363..3452, 3368..3439, 4028..4123, 4039..4176, 4218..4313, 4235..4309, 4331..4498, 4394..4483, 4502..4588, 4504..4587 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 5122 | End | 5758 |
| GI | none | Score | 38 |
| Exons | 5122..5151, 5124..5147, 5185..5391, 5188..5388, 5237..5407, | | |

5488..5565, 5493..5564, 5649..5756, 5654..5758, 5663..5755

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o6.tm | Method | TBLASTX:Maize |
| Start | 5944 | End | 7100 |
| GI | none | Score | 167 |
| Exons | 5944..6225, 5954..6226, 6994..7080, 7080..7100 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o8.tm | Method | TBLASTX:Maize |
| Start | 15329 | End | 15469 |
| GI | none | Score | 220 |
| Exons | 15329..15469, 15337..15468, 15347..15469 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o10.tm | Method | TBLASTX:Maize |
| Start | 26932 | End | 27102 |
| GI | none | Score | 125 |
| Exons | 26932..27102, 26933..27097 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o3.np | Method | AAT/NAP |
| Start | 26962 | End | 32604 |
| GI | 6498441 | Score | 6739 |
| Exons | 26962..27243, 27337..28733, 28905..29376, 29569..29820, 29995..30129, 30313..30686, 30750..31213, 31544..32604 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o7.tw | Method | TBLASTX:Wheat |
| Start | 26971 | End | 27549 |
| GI | none | Score | 83 |
| Exons | 26971..27096, 26975..27097, 27235..27525, 27289..27549, 27290..27547 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o4.tw | Method | TBLASTX:Wheat |
| Start | 27554 | End | 27955 |
| GI | none | Score | 157 |
| Exons | 27554..27853, 27574..27954, 27899..27955 | | |

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|---|---|---|---|
| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |

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| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 27769 | End | 28092 |
| GI | none | Score | 177 |
| Exons | 27769..28092, 27782..28063 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o5.tw | Method | TBLASTX:Wheat |
| Start | 28599 | End | 29057 |
| GI | none | Score | 87 |
| Exons | 28599..28748, 28600..28737, 28795..28968, 28809..29057, 28809..29033 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 29658 | End | 30029 |
| GI | none | Score | 90 |
| Exons | 29658..30029, 29869..30012 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o2.tw | Method | TBLASTX:Wheat |
| Start | 29683 | End | 30107 |
| GI | none | Score | 330 |
| Exons | 29683..30102, 29688..30107 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o4.tm | Method | TBLASTX:Maize |
| Start | 29781 | End | 30165 |
| GI | none | Score | 221 |
| Exons | 29781..30164, 29800..30165 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 30192 | End | 30548 |
| GI | none | Score | 113 |
| Exons | 30192..30482, 30192..30548, 30202..30513 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 30216 | End | 30679 |
| GI | none | Score | 404 |
| Exons | 30216..30677, 30217..30678, 30236..30679 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |

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|---|---|---|---|
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 30273 | End | 30638 |
| GI | none | Score | 117 |
| Exons | 30273..30407, 30414..30638 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o3.tw | Method | TBLASTX:Wheat |
| Start | 30846 | End | 31329 |
| GI | none | Score | 72 |
| Exons | 30846..31328, 30870..31064, 31033..31134, 31156..31329 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o6.tw | Method | TBLASTX:Wheat |
| Start | 32067 | End | 32459 |
| GI | none | Score | 87 |
| Exons | 32067..32324, 32101..32340, 32307..32405, 32308..32400, 32412..32459 | | |

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| Seq. No. | 7373 | Seq. ID | OJ990701_03.9919.C2 |
| Gene No. | 15551 | Strand | - |
| Start | 26962 | End | 32604 |
| Name | OJ990701_03.9919.C2.o11.tm | Method | TBLASTX:Maize |
| Start | 32169 | End | 32454 |
| GI | none | Score | 104 |
| Exons | 32169..32417, 32170..32454 | | |

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|---|---|---|---|
| Seq. No. | 7374 | Seq. ID | OJ990701_03.9919.C3 |
| Gene No. | 15552 | Strand | - |
| Start | 1 | End | 1154 |
| Name | OJ990701_03.9919.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1154 |
| GI | 5042454 | Score | 998 |
| Exons | 1..521, 577..683, 1015..1154 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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| Seq. No. | 7374 | Seq. ID | OJ990701_03.9919.C3 |
| Gene No. | 15552 | Strand | - |
| Start | 1 | End | 1154 |
| Name | OJ990701_03.9919.C3.o1.gs | Method | GENSCAN |
| Start | 131 | End | 1096 |
| GI | none | Score | .57 |
| Exons | 131..521, 577..696, 1019..1096 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15553 | Strand | + |
| Start | 229 | End | 1958 |
| Name | OJ990701_03.9919.C4.o1.gs | Method | GENSCAN |
| Start | 229 | End | 1958 |
| GI | none | Score | .64 |
| Exons | 229..308, 340..493, 693..850, 1807..1958 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |

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|---|---|---|---|
| Gene No. | 15554 | Strand | + |
| Start | 13720 | End | 16698 |
| Name | OJ990701_03.9919.C4.o2.np | Method | AAT/NAP |
| Start | 13720 | End | 16698 |
| GI | 81286 | Score | 138 |
| Exons | 13720..13747, 14258..14412, 15678..15908, 16260..16383, 16623..16698 | | |
| GI Descrip. | extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15555 | Strand | + |
| Start | 18584 | End | 25607 |
| Name | OJ990701_03.9919.C4.o4.gs | Method | GENSCAN |
| Start | 18584 | End | 25607 |
| GI | none | Score | .85 |
| Exons | 18584..18713, 20871..20969, 22106..22352, 22667..22720, 23303..23331, 24366..24527, 25057..25185, 25213..25607 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15556 | Strand | + |
| Start | 37231 | End | 38045 |
| Name | OJ990701_03.9919.C4.o6.gs | Method | GENSCAN |
| Start | 37231 | End | 38045 |
| GI | none | Score | .8 |
| Exons | 37231..37641, 37647..38045 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o5.np | Method | AAT/NAP |
| Start | 48561 | End | 49873 |
| GI | 6815099 | Score | 98 |
| Exons | 48561..48583, 49755..49873 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o6.np | Method | AAT/NAP |
| Start | 49332 | End | 59809 |
| GI | 4160292 | Score | 2383 |
| Exons | 49332..49376, 50813..50893, 51023..51096, 51585..51796, 52323..52444, 53014..53099, 53648..53742, 54041..54122, 54537..54643, 54830..54860, 55405..55522, 55818..55871, 57115..57224, 57332..57434, 57653..57751, 57935..58045, 58155..58390, 59028..59265, 59385..59463, 59577..59809 | | |
| GI Descrip. | (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o6.gp | Method | AAT/GAP |
| Start | 53057 | End | 55539 |
| GI | uC-osflcyp013h11b1 | Score | 838 |
| Exons | 53057..53099, 53648..53742, 54041..54122, 54537..54643, 54830..54860, 55405..55539 | | |

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|---|---|---|---|
| GI Descrip. | '4160292/emb\|CAA77084\| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]' | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o10.gs | Method | GENSCAN |
| Start | 53083 | End | 64612 |
| GI | none | Score | .5 |
| Exons | 53083..53099, 54537..54643, 54830..54860, 55405..55522, 55821..55871, 57115..57139, 57295..57434, 57653..57751, 58155..58261, 59028..59265, 59385..59408, 59537..59762, 60660..60781, 62491..62919, 63017..63106, 63637..63763, 64506..64612 | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o7.gp | Method | AAT/GAP |
| Start | 55835 | End | 57964 |
| GI | 2310418 | Score | 663 |
| Exons | 55835..55871, 57115..57224, 57332..57434, 57653..57751, 57935..57964 | | |
| GI Descrip. | 4160292/emb\|CAA77084\| 1.0e-59 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum] | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o8.gp | Method | AAT/GAP |
| Start | 57957 | End | 59137 |
| GI | LIB3433-018-Q6-K6-A8 | Score | 786 |
| Exons | 57957..58045, 58155..58390, 59028..59137 | | |
| GI Descrip. | '4160292/emb\|CAA77084\| 2.0e-41 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]' | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15557 | Strand | + |
| Start | 48561 | End | 64612 |
| Name | OJ990701_03.9919.C4.o9.gp | Method | AAT/GAP |
| Start | 59187 | End | 60018 |
| GI | 15426_1.R1084 | Score | 1099 |
| Exons | 59187..59265, 59385..59463, 59577..60018 | | |
| GI Descrip. | '4160292/emb\|CAA77084\| 3.0e-37 (Y18209) alpha-N-acetylglucosaminidase [Nicotiana tabacum]' | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15558 | Strand | + |
| Start | 64998 | End | 71066 |
| Name | OJ990701_03.9919.C4.o11.gs | Method | GENSCAN |
| Start | 64998 | End | 71066 |
| GI | none | Score | .61 |
| Exons | 64998..65210, 67198..67398, 67455..67586, 67710..67784, 68577..68638, 69565..69712, 69961..70318, 70442..70642, 70759..71066 | | |
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |

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|---|---|---|---|
| Gene No. | 15559 | Strand | - |
| Start | 8053 | End | 12204 |
| Name | OJ990701_03.9919.C4.o1.np | Method | AAT/NAP |
| Start | 8053 | End | 12204 |
| GI | 4234852 | Score | 4375 |
| Exons | 8053..12001, 12044..12204 | | |
| GI Descrip. | (AF082133) gag-pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15560 | Strand | - |
| Start | 14206 | End | 16686 |
| Name | OJ990701_03.9919.C4.o3.gs | Method | GENSCAN |
| Start | 14206 | End | 16686 |
| GI | none | Score | .61 |
| Exons | 14206..14609, 15740..16148, 16172..16655, 16664..16686 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15560 | Strand | - |
| Start | 14206 | End | 16686 |
| Name | OJ990701_03.9919.C4.o3.np | Method | AAT/NAP |
| Start | 15282 | End | 16612 |
| GI | 4220525 | Score | 331 |
| Exons | 15282..15339, 15778..16612 | | |
| GI Descrip. | (AL035356) putative tRNA isopentenyltransferase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o2.gp | Method | AAT/GAP |
| Start | 26435 | End | 26993 |
| GI | 17436_1.R1084 | Score | 1066 |
| Exons | 26435..26993 | | |
| GI Descrip. | '5880464/gb\|AAD54660.1\|AF088901_1 8.0e-11 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]' | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o5.gs | Method | GENSCAN |
| Start | 26872 | End | 36347 |
| GI | none | Score | .88 |
| Exons | 26872..26985, 27830..28074, 28569..28770, 28857..28955, 29090..29146, 29871..29996, 30076..30216, 31377..31505, 32332..32538, 32699..32767, 33798..33956, 34048..34151, 34232..34385, 34465..34624, 35447..35579, 35660..35837, 35916..36152, 36294..36347 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o4.np | Method | AAT/NAP |
| Start | 26875 | End | 36663 |
| GI | 5880464 | Score | 2665 |
| Exons | 26875..26985, 27830..28074, 28515..28778, 29086..29146, 29871..29996, 30076..30223, 30442..30593, 31377..31505, 32401..32538, 32699..32767, 32843..32911, 33798..33956, | | |

34048..34151, 34232..34385, 34465..34624, 35447..35579,
35660..35837, 35916..36152, 36238..36309, 36399..36498,
36608..36663

GI Descrip. (AF088901) actin bundling protein ABP135 [Lilium longiflorum]

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o3.gp | Method | AAT/GAP |
| Start | 27939 | End | 30348 |
| GI | 30312_1.R1084 | Score | 1504 |
| Exons | 27939..28074, 28548..28770, 28857..28955, 29090..29146, 29871..29996, 30076..30216, 30293..30348 | | |
| GI Descrip. | '5880464/gb\|AAD54660.1\|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]' | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o4.gp | Method | AAT/GAP |
| Start | 30562 | End | 32551 |
| GI | 426363 | Score | 552 |
| Exons | 30562..30593, 31377..31505, 32401..32551 | | |
| GI Descrip. | 5880464/gb\|AAD54660.1\|AF088901_1 1.0e-38 (AF088901) actin bundling protein ABP135 [Lilium longiflorum] | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15561 | Strand | - |
| Start | 26872 | End | 36663 |
| Name | OJ990701_03.9919.C4.o5.gp | Method | AAT/GAP |
| Start | 33824 | End | 35756 |
| GI | 34019_1.R1084 | Score | 1423 |
| Exons | 33824..33956, 34048..34151, 34232..34385, 34465..34624, 35447..35579, 35660..35756 | | |
| GI Descrip. | '5880464/gb\|AAD54660.1\|AF088901_1 1.0e-95 (AF088901) actin bundling protein ABP135 [Lilium longiflorum]' | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15562 | Strand | - |
| Start | 42403 | End | 45504 |
| Name | OJ990701_03.9919.C4.o7.gs | Method | GENSCAN |
| Start | 42403 | End | 45504 |
| GI | none | Score | .5 |
| Exons | 42403..42783, 43227..43259, 45247..45504 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o9.tm | Method | TBLASTX:Maize |
| Start | 1332 | End | 23596 |
| GI | none | Score | 72 |
| Exons | 1332..1475, 1333..1476, 1494..1730, 23459..23596 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o4.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 1407 | End | 23662 |
| GI | none | Score | 73 |
| Exons | 1407..1484, 1557..1823, 1561..1812, 23534..23611, 23615..23662 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o12.tm | Method | TBLASTX:Maize |
| Start | 8092 | End | 8550 |
| GI | none | Score | 55 |
| Exons | 8092..8283, 8332..8508, 8491..8550 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o3.tw | Method | TBLASTX:Wheat |
| Start | 8104 | End | 8503 |
| GI | none | Score | 118 |
| Exons | 8104..8499, 8270..8503 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o5.ts | Method | TBLASTX:Soybean |
| Start | 8107 | End | 8673 |
| GI | none | Score | 131 |
| Exons | 8107..8298, 8287..8478, 8491..8673 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o6.tm | Method | TBLASTX:Maize |
| Start | 8563 | End | 8994 |
| GI | none | Score | 126 |
| Exons | 8563..8859, 8564..8719, 8833..8994 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 8659 | End | 9439 |
| GI | none | Score | 154 |
| Exons | 8659..9108, 8663..9109, 9085..9438, 9092..9439, 9094..9438 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o7.tm | Method | TBLASTX:Maize |
| Start | 8995 | End | 9438 |
| GI | none | Score | 139 |
| Exons | 8995..9096, 9130..9438, 9131..9421 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 9130 | End | 9567 |

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|---|---|---|---|
| GI | 5509260 | Score | 44 |
| Exons | 9130..9567, 9131..9163, 9206..9478 | | |
| GI Descrip. | - | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 9220 | End | 9480 |
| GI | none | Score | 116 |
| Exons | 9220..9480, 9242..9478 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o7.ts | Method | TBLASTX:Soybean |
| Start | 10078 | End | 10450 |
| GI | none | Score | 67 |
| Exons | 10078..10251, 10255..10446, 10283..10450 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 10081 | End | 10743 |
| GI | none | Score | 35 |
| Exons | 10081..10179, 10106..10180, 10159..10464, 10181..10441, 10504..10743, 10505..10558 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o3.tc | Method | TBLASTX:Cress |
| Start | 10084 | End | 10464 |
| GI | none | Score | 123 |
| Exons | 10084..10251, 10264..10464 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o11.tm | Method | TBLASTX:Maize |
| Start | 10270 | End | 10728 |
| GI | none | Score | 85 |
| Exons | 10270..10455, 10292..10453, 10504..10728 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o4.ts | Method | TBLASTX:Soybean |
| Start | 10451 | End | 10887 |
| GI | none | Score | 88 |
| Exons | 10451..10540, 10453..10692, 10468..10647, 10696..10719, 10696..10797, 10822..10887 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |

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|---|---|---|---|
| Name | OJ990701_03.9919.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 11101 | End | 12112 |
| GI | none | Score | 50 |
| Exons | 11101..11166, 11207..11257, 11362..11493, 11381..11422, 11503..12111, 11534..12112 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o9.ts | Method | TBLASTX:Soybean |
| Start | 16376 | End | 16607 |
| GI | none | Score | 75 |
| Exons | 16376..16606, 16416..16607 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o5.tm | Method | TBLASTX:Maize |
| Start | 26694 | End | 32746 |
| GI | none | Score | 161 |
| Exons | 26694..26708, 26842..26988, 26843..26986, 26870..26995, 27823..27951, 27825..27950, 27830..27970, 27831..27968, 28549..28587, 28672..28752, 28699..28755, 28828..28953, 28857..28973, 28861..28962, 29090..29146, 29091..29147, 29868..29999, 29871..29999, 29876..30004, 30076..30222, 30077..30217, 30435..30488, 30444..30488, 30445..30489, 30481..30591, 30482..30589, 30483..30599, 31377..31493, 31377..31505, 31378..31494, 32388..32540, 32398..32547, 32401..32547, 32438..32548, 32699..32746 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 26872 | End | 36646 |
| GI | none | Score | 90 |
| Exons | 26872..26988, 26879..26980, 27830..27901, 28663..28764, 29868..29999, 29869..29997, 29886..29999, 30076..30219, 30077..30217, 30435..30599, 30439..30600, 31377..31481, 31377..31505, 31378..31482, 32398..32547, 32699..32767, 32700..32768, 32846..32917, 33796..33963, 33797..33964, 33798..33959, 33804..33959, 34033..34104, 34284..34394, 34284..34385, 34465..34647, 34505..34648, 35449..35592, 35450..35581, 35657..35839, 35661..35840, 35662..35838, 35906..36154, 35913..36182, 35913..36191, 35914..36192, 36238..36348, 36242..36292, 36394..36498, 36399..36497, 36402..36491, 36607..36645, 36608..36646 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 28684 | End | 30229 |
| GI | none | Score | 108 |
| Exons | 28684..28752, 29868..29999, 29887..29997, 30073..30222, 30076..30222, 30077..30229 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o8.ts | Method | TBLASTX:Soybean |
| Start | 32482 | End | 36491 |
| GI | none | Score | 75 |
| Exons | 32482..32547, 32699..32767, 32703..32768, 32846..32923, 33797..33958, 33797..33958, 33801..33959, 34033..34086, 36402..36491 | | |

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| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 33794 | End | 36491 |
| GI | none | Score | 153 |
| Exons | 33794..33961, 33795..33962, 33796..33957, 33797..33958, 33801..33959, 34036..34152, 34057..34149, 34232..34273, 34233..34268, 34278..34346, 34282..34338, 36402..36491 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 35729 | End | 36280 |
| GI | none | Score | 122 |
| Exons | 35729..35839, 35730..35840, 35731..35838, 35877..35942, 35913..36170, 35913..36173, 36232..36279, 36233..36280 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 35917 | End | 36159 |
| GI | none | Score | 156 |
| Exons | 35917..36159, 35919..36155 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o9.gs | Method | GENSCAN |
| Start | 50552 | End | 51843 |
| GI | none | Score | .93 |
| Exons | 50552..51027, 51789..51843 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15563 | Strand | - |
| Start | 50552 | End | 53100 |
| Name | OJ990701_03.9919.C4.o8.tm | Method | TBLASTX:Maize |
| Start | 51585 | End | 53100 |
| GI | none | Score | 273 |
| Exons | 51585..51794, 51586..51804, 52312..52440, 52325..52444, 52328..52444, 53005..53100, 53034..53099 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15564 | Strand | |
| Start | 55448 | End | 57706 |

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|---|---|---|---|
| Name | OJ990701_03.9919.C4.o10.tm | Method | TBLASTX:Maize |
| Start | 55448 | End | 57434 |
| GI | none | Score | 89 |
| Exons | 55448..55549, 57112..57234, 57114..57233, 57311..57433, 57336..57434 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15564 | Strand | |
| Start | 55448 | End | 57706 |
| Name | OJ990701_03.9919.C4.o6.ts | Method | TBLASTX:Soybean |
| Start | 57138 | End | 57706 |
| GI | none | Score | 138 |
| Exons | 57138..57215, 57139..57234, 57331..57435, 57332..57436, 57333..57437, 57652..57705, 57653..57706 | | |

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|---|---|---|---|
| Seq. No. | 7375 | Seq. ID | OJ990701_03.9919.C4 |
| Gene No. | 15565 | Strand | |
| Start | 57702 | End | 59808 |
| Name | OJ990701_03.9919.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 57702 | End | 59808 |
| GI | none | Score | 70 |
| Exons | 57702..57752, 57923..58045, 57932..58045, 57933..58046, 57934..58047, 58127..58393, 58129..58395, 58149..58400, 58153..58395, 58160..58399, 59008..59277, 59010..59264, 59358..59444, 59382..59468, 59383..59469, 59383..59469, 59575..59808, 59576..59779, 59578..59808 | | |

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|---|---|---|---|
| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 733 |
| GI | 6706412 | Score | 566 |
| Exons | 1..222, 308..376, 469..568, 678..733 | | |
| GI Descrip. | (AL133248) villin 3 fragment [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 350 |
| GI | none | Score | 271 |
| Exons | 1..240, 1..243, 302..349, 303..350 | | |

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|---|---|---|---|
| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 1 | End | 734 |
| GI | none | Score | 175 |
| Exons | 1..225, 1..261, 158..262, 308..418, 312..362, 319..417, 464..568, 469..567, 472..561, 677..733, 678..734 | | |

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|---|---|---|---|
| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 13 | End | 224 |
| GI | none | Score | 109 |
| Exons | 13..222, 30..173, 33..224, 65..223 | | |

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| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 306 | End | 749 |
| GI | none | Score | 45 |
| Exons | 306..362, 308..418, 436..561, 464..568, 469..567, 680..736, 683..718, 687..749 | | |

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|---|---|---|---|
| Seq. No. | 7376 | Seq. ID | OJ990701_03.9919.C5 |
| Gene No. | 15566 | Strand | - |
| Start | 1 | End | 791 |
| Name | OJ990701_03.9919.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 359 | End | 791 |
| GI | none | Score | 37 |
| Exons | 359..388, 359..394, 404..511, 454..573, 461..577, 469..567, 681..716, 681..707, 683..787, 717..791 | | |

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|---|---|---|---|
| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 684 |
| GI | 4234854 | Score | 637 |
| Exons | 1..147, 193..684 | | |
| GI Descrip. | (AF082134) pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.gs | Method | GENSCAN |
| Start | 88 | End | 657 |
| GI | none | Score | .98 |
| Exons | 88..657 | | |

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| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 198 | End | 629 |
| GI | none | Score | 158 |
| Exons | 198..440, 259..444, 469..627, 474..629 | | |

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| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 328 | End | 636 |
| GI | none | Score | 276 |
| Exons | 328..636, 336..635 | | |

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| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 328 | End | 684 |
| GI | 5509260 | Score | 312 |
| Exons | 328..684, 417..683, 487..684 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7377 | Seq. ID | OJ990701_03.9919.C6 |
| Gene No. | 15567 | Strand | + |
| Start | 1 | End | 684 |
| Name | OJ990701_03.9919.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 415 | End | 675 |
| GI | none | Score | 249 |
| Exons | 415..675, 417..653 | | |

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|---|---|---|---|
| Seq. No. | 7378 | Seq. ID | OJ990701_08.9919.C2 |
| Gene No. | 15568 | Strand | - |
| Start | 1 | End | 318 |
| Name | OJ990701_08.9919.C2.o1.np | Method | AAT/NAP |
| Start | 1 | End | 290 |
| GI | 100484 | Score | 75 |
| Exons | 1..290 | | |
| GI Descrip. | hypothetical protein - garden snapdragon | | |

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|---|---|---|---|
| Seq. No. | 7378 | Seq. ID | OJ990701_08.9919.C2 |
| Gene No. | 15568 | Strand | - |
| Start | 1 | End | 318 |
| Name | OJ990701_08.9919.C2.o1.gs | Method | GENSCAN |
| Start | 23 | End | 318 |
| GI | none | Score | .51 |
| Exons | 23..318 | | |

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|---|---|---|---|
| Seq. No. | 7379 | Seq. ID | OJ990701_08.9919.C3 |
| Gene No. | 15569 | Strand | - |
| Start | 1767 | End | 2306 |
| Name | OJ990701_08.9919.C3.o1.gp | Method | AAT/GAP |
| Start | 1675 | End | 2306 |
| GI | 306_5.R1084 | Score | 1182 |
| Exons | 1675..2306 | | |
| GI Descrip. | '548660/sp\|Q01883\|RA17_ORYSA 1.0e-73 SEED ALLERGENIC PROTEIN RA17 PRECURSOR >gi_100691_pir__S21157 seed allergen RA17 - rice >gi_2130064_pir__JC4887 allergenic protein - rice >gi_218195_dbj_BAA01997_ (D11431) allergenic protein [Oryza sativa] >gi_311893_emb_CAA46983_ (X66257) major allergenic protein (RAP) [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7379 | Seq. ID | OJ990701_08.9919.C3 |
| Gene No. | 15569 | Strand | - |
| Start | 1767 | End | 2306 |
| Name | OJ990701_08.9919.C3.o1.gs | Method | GENSCAN |
| Start | 1767 | End | 2258 |
| GI | none | Score | .97 |
| Exons | 1767..2258 | | |

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|---|---|---|---|
| Seq. No. | 7379 | Seq. ID | OJ990701_08.9919.C3 |
| Gene No. | 15569 | Strand | - |
| Start | 1767 | End | 2306 |

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|---|---|---|---|
| Name | OJ990701_08.9919.C3.o1.np | Method | AAT/NAP |
| Start | 1770 | End | 2258 |
| GI | 548660 | Score | 870 |
| Exons | 1770..2258 | | |
| GI Descrip. | SEED ALLERGENIC PROTEIN RA17 PRECURSOR gi\|100691\|pir\|\|S21157 seed allergen RA17 - rice gi\|2130064\|pir\|\|JC4887 allergenic protein - rice gi\|218195\|dbj\|BAA01997.1\| (D11431) allergenic protein [Oryza sativa] gi\|311893\|emb\|CAA46983\| (X66257) major allergenic protein (RAP) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |
| Gene No. | 15570 | Strand | + |
| Start | 1713 | End | 2435 |
| Name | OJ990701_08.9919.C4.o2.gs | Method | GENSCAN |
| Start | 1713 | End | 2435 |
| GI | none | Score | .83 |
| Exons | 1713..1882, 1982..2435 | | |

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|---|---|---|---|
| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |
| Gene No. | 15571 | Strand | + |
| Start | 2487 | End | 2861 |
| Name | OJ990701_08.9919.C4.o2.gp | Method | AAT/GAP |
| Start | 2487 | End | 2861 |
| GI | none | Score | 545 |
| Exons | 2487..2861 | | |

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|---|---|---|---|
| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |
| Gene No. | 15572 | Strand | - |
| Start | 1 | End | 424 |
| Name | OJ990701_08.9919.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 372 |
| GI | 548671 | Score | 664 |
| Exons | 1..372 | | |
| GI Descrip. | SEED ALLERGENIC PROTEIN RAG2 PRECURSOR gi\|419801\|pir\|\|S31082 seed allergen RAG2 - rice gi\|218201\|dbj\|BAA02000\| (D11434) allergenic protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |
| Gene No. | 15572 | Strand | - |
| Start | 1 | End | 424 |
| Name | OJ990701_08.9919.C4.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 424 |
| GI | 306_2.R1084 | Score | 787 |
| Exons | 1..424 | | |
| GI Descrip. | '2118427/pir\|\|S59922 1.0e-82 allergen RA14B precursor - rice >gi_1398913_dbj_BAA07710_ (D42139) allergenic protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |
| Gene No. | 15572 | Strand | - |
| Start | 1 | End | 424 |
| Name | OJ990701_08.9919.C4.o1.gs | Method | GENSCAN |
| Start | 13 | End | 372 |
| GI | none | Score | .99 |
| Exons | 13..372 | | |

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| Seq. No. | 7380 | Seq. ID | OJ990701_08.9919.C4 |

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|---|---|---|---|
| Gene No. | 15573 | Strand | - |
| Start | 2508 | End | 2862 |
| Name | OJ990701_08.9919.C4.o3.gp | Method | AAT/GAP |
| Start | 2508 | End | 2862 |
| GI | none | Score | 543 |
| Exons | 2508..2862 | | |

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|---|---|---|---|
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15574 | Strand | + |
| Start | 116 | End | 3689 |
| Name | OJ990701_08.9919.C5.o1.gs | Method | GENSCAN |
| Start | 116 | End | 3689 |
| GI | none | Score | .93 |
| Exons | 116..932, 1030..2147, 2233..3129, 3459..3689 | | |

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| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o1.np | Method | AAT/NAP |
| Start | 4929 | End | 8951 |
| GI | 4378066 | Score | 3152 |
| Exons | 4929..8791, 8929..8951 | | |
| GI Descrip. | (AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor] | | |

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| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o6.tw | Method | TBLASTX:Wheat |
| Start | 4938 | End | 5534 |
| GI | none | Score | 74 |
| Exons | 4938..5063, 5226..5390, 5401..5487, 5410..5499, 5418..5528, 5430..5534 | | |

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| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 5256 | End | 5492 |
| GI | none | Score | 133 |
| Exons | 5256..5492, 5293..5475 | | |

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|---|---|---|---|
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 5508 | End | 5855 |
| GI | none | Score | 89 |
| Exons | 5508..5732, 5733..5855 | | |

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| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 5526 | End | 5693 |
| GI | none | Score | 139 |

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|---|---|---|---|
| Exons | 5526..5693, 5548..5691 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 5655 | End | 6044 |
| GI | none | Score | 58 |
| Exons | 5655..6044, 5734..5817, 5881..6003 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 5694 | End | 6152 |
| GI | none | Score | 165 |
| Exons | 5694..6152, 5695..6048 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 6346 | End | 6761 |
| GI | none | Score | 69 |
| Exons | 6346..6564, 6348..6758, 6646..6753, 6660..6761 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o7.tw | Method | TBLASTX:Wheat |
| Start | 6762 | End | 7029 |
| GI | none | Score | 57 |
| Exons | 6762..6950, 6763..6945, 6957..7028, 6958..7029 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 6948 | End | 7376 |
| GI | none | Score | 131 |
| Exons | 6948..7376, 7009..7371 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 7035 | End | 7454 |
| GI | none | Score | 56 |
| Exons | 7035..7454, 7062..7148, 7141..7449 | | |
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 7128 | End | 7512 |
| GI | none | Score | 91 |
| Exons | 7128..7511, 7131..7451, 7141..7512 | | |

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|---|---|---|---|
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 7539 | End | 7890 |
| GI | none | Score | 174 |
| Exons | 7539..7886, 7539..7826, 7552..7887, 7552..7890 | | |

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|---|---|---|---|
| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 7569 | End | 7998 |
| GI | none | Score | 236 |
| Exons | 7569..7994, 7570..7998 | | |

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| Seq. No. | 7381 | Seq. ID | OJ990701_08.9919.C5 |
| Gene No. | 15575 | Strand | - |
| Start | 4929 | End | 8951 |
| Name | OJ990701_08.9919.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 8221 | End | 8567 |
| GI | none | Score | 44 |
| Exons | 8221..8262, 8229..8450, 8256..8411, 8484..8567 | | |

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|---|---|---|---|
| Seq. No. | 7382 | Seq. ID | OJ990701_08.9919.C6 |
| Gene No. | 15576 | Strand | - |
| Start | 614 | End | 737 |
| Name | OJ990701_08.9919.C6.o1.np | Method | AAT/NAP |
| Start | 614 | End | 737 |
| GI | 4544372 | Score | 85 |
| Exons | 614..737 | | |
| GI Descrip. | (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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| Seq. No. | 7383 | Seq. ID | OJ990701_08.9919.C7 |
| Gene No. | 15577 | Strand | + |
| Start | 76 | End | 188 |
| Name | OJ990701_08.9919.C7.o1.gs | Method | GENSCAN |
| Start | 76 | End | 188 |
| GI | none | Score | .71 |
| Exons | 76..188 | | |

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|---|---|---|---|
| Seq. No. | 7384 | Seq. ID | OJ990701_08.9919.C9 |
| Gene No. | 15578 | Strand | - |
| Start | 183 | End | 326 |
| Name | OJ990701_08.9919.C9.o1.gs | Method | GENSCAN |
| Start | 183 | End | 326 |
| GI | none | Score | .5 |
| Exons | 183..326 | | |

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|---|---|---|---|
| Seq. No. | 7385 | Seq. ID | OJ990701_08.9919.C10 |
| Gene No. | 15579 | Strand | + |
| Start | 786 | End | 1582 |
| Name | OJ990701_08.9919.C10.o1.gp | Method | AAT/GAP |
| Start | 786 | End | 1582 |
| GI | 306_4.R1084 | Score | 1404 |

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| Exons | 786..812, 864..1582 | | |
| GI Descrip. | '2335106 6.0e-51 (AC002339) salt inducible protein-like [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7385 | Seq. ID | OJ990701_08.9919.C10 |
| Gene No. | 15580 | Strand | - |
| Start | 992 | End | 1465 |
| Name | OJ990701_08.9919.C10.o2.gs | Method | GENSCAN |
| Start | 992 | End | 1465 |
| GI | none | Score | .89 |
| Exons | 992..1465 | | |

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|---|---|---|---|
| Seq. No. | 7385 | Seq. ID | OJ990701_08.9919.C10 |
| Gene No. | 15580 | Strand | - |
| Start | 992 | End | 1465 |
| Name | OJ990701_08.9919.C10.o1.np | Method | AAT/NAP |
| Start | 995 | End | 1465 |
| GI | 2118430 | Score | 826 |
| Exons | 995..1465 | | |
| GI Descrip. | allergen RA16 precursor - rice gi\|1398916\|dbj\|BAA07712\| (D42141) allergenic protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15581 | Strand | + |
| Start | 722 | End | 5593 |
| Name | OJ990701_08.9919.C12.o1.gs | Method | GENSCAN |
| Start | 722 | End | 5593 |
| GI | none | Score | .4 |
| Exons | 722..1082, 1949..2104, 2459..2637, 2805..3294, 3776..4105, 5490..5593 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15581 | Strand | + |
| Start | 722 | End | 5593 |
| Name | OJ990701_08.9919.C12.o1.np | Method | AAT/NAP |
| Start | 722 | End | 4161 |
| GI | 4680203 | Score | 2755 |
| Exons | 722..2394, 2548..2778, 3030..3482, 3641..4161 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15581 | Strand | + |
| Start | 722 | End | 5593 |
| Name | OJ990701_08.9919.C12.o1.gp | Method | AAT/GAP |
| Start | 726 | End | 4815 |
| GI | 342_1.R1084 | Score | 5465 |
| Exons | 726..3614, 3779..4263, 4360..4815 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15582 | Strand | + |
| Start | 8576 | End | 10350 |
| Name | OJ990701_08.9919.C12.o3.gs | Method | GENSCAN |
| Start | 8576 | End | 10350 |
| GI | none | Score | .5 |
| Exons | 8576..8900, 8977..9250, 9355..9528, 9622..9732, 9849..9888, | | |

9986..10084, 10168..10350

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15583 | Strand | + |
| Start | 21060 | End | 24430 |
| Name | OJ990701_08.9919.C12.o6.gs | Method | GENSCAN |
| Start | 21060 | End | 24430 |
| GI | none | Score | .74 |
| Exons | 21060..21530, 21558..21749, 21822..21897, 21986..22971, 23067..23354, 23368..23889, 24167..24430 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15584 | Strand | - |
| Start | 1117 | End | 5194 |
| Name | OJ990701_08.9919.C12.o3.gp | Method | AAT/GAP |
| Start | 1117 | End | 5194 |
| GI | 342_1.R1084 | Score | 5373 |
| Exons | 1117..3614, 3779..4252, 4491..4518, 4593..5194 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15584 | Strand | - |
| Start | 1117 | End | 5194 |
| Name | OJ990701_08.9919.C12.o2.gp | Method | AAT/GAP |
| Start | 3801 | End | 4245 |
| GI | LIB3431-028-P1-N1-A10 | Score | 746 |
| Exons | 3801..4147, 4175..4245 | | |
| GI Descrip. | '4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15585 | Strand | - |
| Start | 5572 | End | 5845 |
| Name | OJ990701_08.9919.C12.o4.gp | Method | AAT/GAP |
| Start | 5572 | End | 5845 |
| GI | 61605_1.R1084 | Score | 467 |
| Exons | 5572..5845 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15586 | Strand | - |
| Start | 6216 | End | 8006 |
| Name | OJ990701_08.9919.C12.o2.np | Method | AAT/NAP |
| Start | 6216 | End | 8006 |
| GI | 6063554 | Score | 384 |
| Exons | 6216..6390, 7027..7054, 7372..7594, 7712..8006 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15586 | Strand | - |
| Start | 6216 | End | 8006 |
| Name | OJ990701_08.9919.C12.o5.gp | Method | AAT/GAP |
| Start | 6376 | End | 6808 |

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|---|---|---|---|
| GI | 2428185 | Score | 752 |
| Exons | 6376..6808 | | |
| GI Descrip. | 5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15586 | Strand | - |
| Start | 6216 | End | 8006 |
| Name | OJ990701_08.9919.C12.o6.gp | Method | AAT/GAP |
| Start | 6826 | End | 7560 |
| GI | 101153_1.R1084 | Score | 707 |
| Exons | 6826..7054, 7372..7560 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15587 | Strand | - |
| Start | 10479 | End | 10723 |
| Name | OJ990701_08.9919.C12.o7.gp | Method | AAT/GAP |
| Start | 10479 | End | 10723 |
| GI | LIB3477-003-P1-K1-E9 | Score | 131 |
| Exons | 10479..10537, 10679..10723 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15588 | Strand | - |
| Start | 11751 | End | 13442 |
| Name | OJ990701_08.9919.C12.o4.gs | Method | GENSCAN |
| Start | 11751 | End | 13442 |
| GI | none | Score | .89 |
| Exons | 11751..12772, 13253..13442 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15588 | Strand | - |
| Start | 11751 | End | 13442 |
| Name | OJ990701_08.9919.C12.o4.np | Method | AAT/NAP |
| Start | 11763 | End | 13439 |
| GI | 1345809 | Score | 1651 |
| Exons | 11763..12772, 13253..13439 | | |
| GI Descrip. | CHALCONE SYNTHASE (NAREGENIN-CHALCONE SYNTHASE) gi\|2117713\|pir\|\|S58190 naringenin-chalcone synthase (EC 2.3.1.74) - rice gi\|927491\|emb\|CAA61955\| (X89859) naringenin-chalcone synthase [Oryza sativa] | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15589 | Strand | - |
| Start | 16231 | End | 19373 |
| Name | OJ990701_08.9919.C12.o5.gs | Method | GENSCAN |
| Start | 16231 | End | 19373 |
| GI | none | Score | .47 |
| Exons | 16231..16376, 17797..18178, 19239..19373 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |

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|---|---|---|---|
| Name | OJ990701_08.9919.C12.o6.tw | Method | TBLASTX:Wheat |
| Start | 1109 | End | 1430 |
| GI | none | Score | 230 |
| Exons | 1109..1414, 1212..1415, 1212..1430 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 1346 | End | 1775 |
| GI | none | Score | 93 |
| Exons | 1346..1429, 1347..1421, 1479..1775, 1533..1757 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o3.tc | Method | TBLASTX:Cress |
| Start | 1508 | End | 1823 |
| GI | none | Score | 217 |
| Exons | 1508..1582, 1515..1823, 1607..1660, 1709..1795 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 1644 | End | 2111 |
| GI | none | Score | 54 |
| Exons | 1644..1700, 1652..1696, 1688..1798, 1689..1820, 1698..1802, 1816..1917, 1817..1903, 1883..1957, 1906..1956, 1962..2111, 1963..2106 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 1692 | End | 2145 |
| GI | none | Score | 100 |
| Exons | 1692..1817, 1701..1823, 1816..1941, 1817..1942, 1963..2145 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o3.ts | Method | TBLASTX:Soybean |
| Start | 1975 | End | 2217 |
| GI | none | Score | 196 |
| Exons | 1975..2217, 1980..2159 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o3.tw | Method | TBLASTX:Wheat |
| Start | 2251 | End | 2660 |
| GI | none | Score | 63 |
| Exons | 2251..2313, 2253..2294, 2319..2501, 2323..2541, 2574..2660, 2575..2658 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |

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|---|---|---|---|
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 2575 | End | 3028 |
| GI | none | Score | 135 |
| Exons | 2575..2769, 2713..2784, 2784..3026, 2813..3028 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 2661 | End | 4107 |
| GI | none | Score | 78 |
| Exons | 2661..2762, 2661..2780, 2662..2781, 2772..3392, 2774..3367, 2844..3392, 3778..3813, 3792..3932, 3793..3933, 3946..4026, 4015..4107 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o2.tc | Method | TBLASTX:Cress |
| Start | 2924 | End | 3372 |
| GI | none | Score | 162 |
| Exons | 2924..3361, 2924..3367, 2928..3371, 3121..3372 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 11769 | End | 13442 |
| GI | none | Score | 556 |
| Exons | 11769..12293, 11770..12294, 12252..12509, 12252..12770, 12277..12771, 13251..13442, 13252..13431 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 11781 | End | 13421 |
| GI | none | Score | 942 |
| Exons | 11781..12770, 11785..12771, 13251..13421, 13252..13419 | | |

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| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 11781 | End | 13431 |
| GI | none | Score | 174 |
| Exons | 11781..12293, 11785..11967, 11998..12240, 12252..12770, 12258..12491, 12274..12771, 13248..13427, 13252..13431 | | |

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|---|---|---|---|
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o5.np | Method | AAT/NAP |
| Start | 25220 | End | 28897 |
| GI | 4206306 | Score | 1603 |

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|---|---|---|---|
| Exons | 25220..27223, 28832..28897 | | |
| GI Descrip. | (AF049110) prpol [Zea mays] | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o6.np | Method | AAT/NAP |
| Start | 25220 | End | 28897 |
| GI | 4378066 | Score | 1569 |
| Exons | 25220..27223, 28679..28897 | | |
| GI Descrip. | (AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor] | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o7.tw | Method | TBLASTX:Wheat |
| Start | 25229 | End | 25810 |
| GI | none | Score | 90 |
| Exons | 25229..25354, 25535..25675, 25703..25810 | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o5.tm | Method | TBLASTX:Maize |
| Start | 25541 | End | 25777 |
| GI | none | Score | 205 |
| Exons | 25541..25777 | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o6.tm | Method | TBLASTX:Maize |
| Start | 25793 | End | 25943 |
| GI | none | Score | 99 |
| Exons | 25793..25942, 25793..25942, 25794..25943 | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o5.tw | Method | TBLASTX:Wheat |
| Start | 25904 | End | 26293 |
| GI | none | Score | 261 |
| Exons | 25904..26293 | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |
| Name | OJ990701_08.9919.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 25943 | End | 26401 |
| GI | none | Score | 52 |
| Exons | 25943..26401, 25944..26036, 26082..26276 | | |
| Seq. No. | 7386 | Seq. ID | OJ990701_08.9919.C12 |
| Gene No. | 15590 | Strand | - |
| Start | 25220 | End | 28897 |

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|---|---|---|---|
| Name | OJ990701_08.9919.C12.o4.tw | Method | TBLASTX:Wheat |
| Start | 26603 | End | 27035 |
| GI | none | Score | 105 |
| Exons | 26603..27034, 26604..26777, 26799..27035 | | |

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| Seq. No. | 7387 | Seq. ID | OJ990701_08.9919.C13 |
| Gene No. | 15591 | Strand | + |
| Start | 4469 | End | 6081 |
| Name | OJ990701_08.9919.C13.o3.gs | Method | GENSCAN |
| Start | 4469 | End | 6081 |
| GI | none | Score | .58 |
| Exons | 4469..4510, 4769..4979, 5564..6081 | | |

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|---|---|---|---|
| Seq. No. | 7387 | Seq. ID | OJ990701_08.9919.C13 |
| Gene No. | 15592 | Strand | - |
| Start | 3602 | End | 3889 |
| Name | OJ990701_08.9919.C13.o1.gp | Method | AAT/GAP |
| Start | 3602 | End | 3889 |
| GI | 3761047 | Score | 463 |
| Exons | 3602..3889 | | |

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| Seq. No. | 7387 | Seq. ID | OJ990701_08.9919.C13 |
| Gene No. | 15593 | Strand | - |
| Start | 5339 | End | 5692 |
| Name | OJ990701_08.9919.C13.o2.gp | Method | AAT/GAP |
| Start | 5339 | End | 5692 |
| GI | 426759 | Score | 670 |
| Exons | 5339..5692 | | |

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|---|---|---|---|
| Seq. No. | 7387 | Seq. ID | OJ990701_08.9919.C13 |
| Gene No. | 15594 | Strand | - |
| Start | 7098 | End | 7212 |
| Name | OJ990701_08.9919.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 6297 | End | 7060 |
| GI | none | Score | 62 |
| Exons | 6297..6446, 6310..6444, 6449..6571, 6468..6569, 6470..6619, 6478..6600, 6490..6591, 6491..6601, 6491..6571, 6493..6609, 6553..6600, 6613..6690, 6620..6697, 6625..6702, 6629..6778, 6629..6790, 6664..6780, 6664..6783, 6671..6757, 6671..6781, 6673..6771, 6799..6912, 6802..6909, 6815..6925, 6818..6925, 6819..6908, 6824..6925, 6826..6909, 6828..6923, 6828..6905, 6833..6910, 6833..6910, 6836..6925, 6836..6925, 6975..7058, 6983..7060 | | |

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|---|---|---|---|
| Seq. No. | 7387 | Seq. ID | OJ990701_08.9919.C13 |
| Gene No. | 15594 | Strand | - |
| Start | 7098 | End | 7212 |
| Name | OJ990701_08.9919.C13.o4.gs | Method | GENSCAN |
| Start | 7098 | End | 7212 |
| GI | none | Score | .93 |
| Exons | 7098..7212 | | |

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| Seq. No. | 7388 | Seq. ID | OJ990701_08.9919.C14 |
| Gene No. | 15595 | Strand | - |
| Start | 4145 | End | 4955 |
| Name | OJ990701_08.9919.C14.o1.gs | Method | GENSCAN |
| Start | 4145 | End | 4955 |

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|---|---|---|---|
| GI | none | Score | .59 |
| Exons | 4145..4306, 4520..4678, 4908..4955 | | |

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|---|---|---|---|
| Seq. No. | 7389 | Seq. ID | OJ990701_08.9919.C15 |
| Gene No. | 15596 | Strand | - |
| Start | 2355 | End | 6836 |
| Name | OJ990701_08.9919.C15.o1.np | Method | AAT/NAP |
| Start | 2355 | End | 6808 |
| GI | 2335106 | Score | 1742 |
| Exons | 2355..2526, 2653..2757, 3571..3703, 4443..4647, 4730..4835, 4944..6017, 6703..6808 | | |
| GI Descrip. | (AC002339) putative salt-inducible protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7389 | Seq. ID | OJ990701_08.9919.C15 |
| Gene No. | 15596 | Strand | - |
| Start | 2355 | End | 6836 |
| Name | OJ990701_08.9919.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 4454 | End | 6017 |
| GI | none | Score | 39 |
| Exons | 4454..4639, 4728..4862, 4728..4844, 4740..4859, 4743..4838, 4866..5162, 4911..5486, 4914..5288, 4917..5690, 4917..5111, 4926..5597, 5019..5135, 5034..5504, 5167..5406, 5169..5690, 5214..5501, 5248..5316, 5262..5690, 5280..5435, 5280..5468, 5323..5436, 5370..5690, 5436..5540, 5547..5687, 5775..6017, 5799..5939, 5820..5993, 5841..6017 | | |

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|---|---|---|---|
| Seq. No. | 7389 | Seq. ID | OJ990701_08.9919.C15 |
| Gene No. | 15596 | Strand | - |
| Start | 2355 | End | 6836 |
| Name | OJ990701_08.9919.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 4511 | End | 6027 |
| GI | none | Score | 214 |
| Exons | 4511..4657, 4980..5198, 5235..5417, 5403..5618, 5724..5948, 5806..6015, 5822..6016, 5823..6017, 5826..6017, 5827..6027 | | |

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| Seq. No. | 7389 | Seq. ID | OJ990701_08.9919.C15 |
| Gene No. | 15596 | Strand | - |
| Start | 2355 | End | 6836 |
| Name | OJ990701_08.9919.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 4740 | End | 6047 |
| GI | none | Score | 101 |
| Exons | 4740..4844, 4740..4862, 4740..4862, 4746..4859, 4899..5108, 4899..5177, 5007..5228, 5025..5375, 5121..5486, 5214..5423, 5241..5591, 5406..5639, 5442..5693, 5556..5690, 5706..6047, 5769..6014, 5868..6017 | | |

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|---|---|---|---|
| Seq. No. | 7389 | Seq. ID | OJ990701_08.9919.C15 |
| Gene No. | 15596 | Strand | - |
| Start | 2355 | End | 6836 |
| Name | OJ990701_08.9919.C15.o1.gp | Method | AAT/GAP |
| Start | 5813 | End | 6836 |
| GI | 5005123 | Score | 556 |
| Exons | 5813..6017, 6703..6836 | | |
| GI Descrip. | 2335106 6.0e-51 (AC002339) salt inducible protein-like [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15597 | Strand | + |
| Start | 185 | End | 1821 |
| Name | OJ990701_08.9919.C16.o1.gp | Method | AAT/GAP |
| Start | 185 | End | 1158 |
| GI | 66134_1.R1084 | Score | 805 |
| Exons | 185..290, 413..701, 1120..1158 | | |
| GI Descrip. | '3549671/emb\|CAA20582.1\| 4.0e-09 (AL031394) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15597 | Strand | + |
| Start | 185 | End | 1821 |
| Name | OJ990701_08.9919.C16.o1.gs | Method | GENSCAN |
| Start | 533 | End | 1821 |
| GI | none | Score | .59 |
| Exons | 533..701, 1196..1821 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15597 | Strand | + |
| Start | 185 | End | 1821 |
| Name | OJ990701_08.9919.C16.o2.gp | Method | AAT/GAP |
| Start | 1192 | End | 1625 |
| GI | none | Score | 586 |
| Exons | 1192..1361, 1461..1625 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15598 | Strand | + |
| Start | 6498 | End | 6946 |
| Name | OJ990701_08.9919.C16.o3.gp | Method | AAT/GAP |
| Start | 6498 | End | 6946 |
| GI | 28680_1.R1084 | Score | 695 |
| Exons | 6498..6946 | | |
| GI Descrip. | '413823/gb\|U02457\|U02457 5.0e-14 Cloning vector pYEUra3, complete sequence' | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15599 | Strand | - |
| Start | 2073 | End | 4224 |
| Name | OJ990701_08.9919.C16.o2.gs | Method | GENSCAN |
| Start | 2073 | End | 4224 |
| GI | none | Score | .73 |
| Exons | 2073..2157, 3798..3974, 4178..4224 | | |

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| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15600 | Strand | - |
| Start | 6659 | End | 7123 |
| Name | OJ990701_08.9919.C16.o3.gs | Method | GENSCAN |
| Start | 6659 | End | 7123 |
| GI | none | Score | .79 |
| Exons | 6659..7123 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15601 | Strand | - |
| Start | 8918 | End | 9361 |
| Name | OJ990701_08.9919.C16.o4.gs | Method | GENSCAN |
| Start | 8918 | End | 9361 |

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|---|---|---|---|
| GI | none | Score | .75 |
| Exons | 8918..9361 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15602 | Strand | - |
| Start | 11821 | End | 12332 |
| Name | OJ990701_08.9919.C16.o4.gp | Method | AAT/GAP |
| Start | 11709 | End | 12332 |
| GI | 28627_1.R1084 | Score | 1144 |
| Exons | 11709..12332 | | |
| GI Descrip. | '5777592/emb\|CAA44001.1\| 6.0e-27 (X62091) low molecular weight globulin [Oryza sativa]' | | |

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| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15602 | Strand | - |
| Start | 11821 | End | 12332 |
| Name | OJ990701_08.9919.C16.o5.gs | Method | GENSCAN |
| Start | 11821 | End | 12303 |
| GI | none | Score | .8 |
| Exons | 11821..12303 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o4.tm | Method | TBLASTX:Maize |
| Start | 529 | End | 700 |
| GI | none | Score | 41 |
| Exons | 529..699, 530..553, 614..700 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 1246 | End | 1686 |
| GI | none | Score | 139 |
| Exons | 1246..1365, 1247..1357, 1458..1631, 1459..1686 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o6.gs | Method | GENSCAN |
| Start | 13517 | End | 18793 |
| GI | none | Score | .92 |
| Exons | 13517..13702, 13780..13872, 13956..14034, 14122..14232, 14313..14564, 14648..15768, 15776..16293, 16672..18793 | | |

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| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 16778 | End | 17986 |
| GI | none | Score | 75 |
| Exons | 16778..16846, 16853..16957, 16860..16952, 16985..17074, 16988..17044, 17063..17218, 17079..17225, 17231..17986, 17457..17513, 17586..17741 | | |

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| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |

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|---|---|---|---|
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o3.tm | Method | TBLASTX:Maize |
| Start | 17082 | End | 17377 |
| GI | none | Score | 83 |
| Exons | 17082..17195, 17084..17203, 17207..17377 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 17273 | End | 17696 |
| GI | none | Score | 48 |
| Exons | 17273..17695, 17457..17513, 17586..17696 | | |

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|---|---|---|---|
| Seq. No. | 7390 | Seq. ID | OJ990701_08.9919.C16 |
| Gene No. | 15603 | Strand | - |
| Start | 13517 | End | 18793 |
| Name | OJ990701_08.9919.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 17627 | End | 18010 |
| GI | none | Score | 296 |
| Exons | 17627..17941, 17631..17942, 17942..18010 | | |

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|---|---|---|---|
| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.np | Method | AAT/NAP |
| Start | 33 | End | 964 |
| GI | 99922 | Score | 594 |
| Exons | 33..964 | | |
| GI Descrip. | hypothetical protein - soybean gi\|930025\|emb\|CAA31883\| (X13528) ORF (334 AA) [Glycine max] | | |

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|---|---|---|---|
| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.tw | Method | TBLASTX:Wheat |
| Start | 354 | End | 657 |
| GI | none | Score | 183 |
| Exons | 354..656, 358..657 | | |

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| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.tc | Method | TBLASTX:Cress |
| Start | 429 | End | 782 |
| GI | none | Score | 62 |
| Exons | 429..782, 525..743 | | |

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|---|---|---|---|
| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 450 | End | 657 |
| GI | none | Score | 115 |
| Exons | 450..653, 450..656, 466..657 | | |

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|---|---|---|---|
| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.gs | Method | GENSCAN |
| Start | 503 | End | 873 |
| GI | none | Score | .45 |
| Exons | 503..873 | | |

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| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 510 | End | 941 |
| GI | none | Score | 92 |
| Exons | 510..749, 511..750, 777..941, | 814..936 | |

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|---|---|---|---|
| Seq. No. | 7391 | Seq. ID | OJ990701_08.9919.C17 |
| Gene No. | 15604 | Strand | - |
| Start | 33 | End | 964 |
| Name | OJ990701_08.9919.C17.o2.tw | Method | TBLASTX:Wheat |
| Start | 663 | End | 962 |
| GI | none | Score | 81 |
| Exons | 663..770, 799..951, 814..903, | 819..962 | |

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|---|---|---|---|
| Seq. No. | 7392 | Seq. ID | OJ990701_08.9919.C19 |
| Gene No. | 15605 | Strand | + |
| Start | 1 | End | 105 |
| Name | OJ990701_08.9919.C19.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 105 |
| GI | none | Score | 194 |
| Exons | 1..105 | | |

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|---|---|---|---|
| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 695 |
| GI | 529353 | Score | 333 |
| Exons | 1..72, 177..426, 550..695 | | |
| GI Descrip. | (U12757) diphenol oxidase [Acer pseudoplatanus] | | |

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| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 38 | End | 402 |
| GI | none | Score | 54 |
| Exons | 38..73, 177..371, 178..402 | | |

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| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 41 | End | 423 |
| GI | none | Score | 43 |
| Exons | 41..73, 177..344, 178..360, | 385..423 | |

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| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 41 | End | 420 |
| GI | none | Score | 36 |
| Exons | 41..73, 177..308, 177..419, 178..420 | | |

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| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.gs | Method | GENSCAN |
| Start | 177 | End | 686 |
| GI | none | Score | .68 |
| Exons | 177..443, 449..482, 585..686 | | |

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| Seq. No. | 7393 | Seq. ID | OJ990331_05.9923.C3 |
| Gene No. | 15606 | Strand | + |
| Start | 1 | End | 695 |
| Name | OJ990331_05.9923.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 178 | End | 423 |
| GI | none | Score | 266 |
| Exons | 178..423, 201..422 | | |

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|---|---|---|---|
| Seq. No. | 7394 | Seq. ID | OJ990331_05.9923.C4 |
| Gene No. | 15607 | Strand | + |
| Start | 1 | End | 888 |
| Name | OJ990331_05.9923.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 870 |
| GI | 100484 | Score | 479 |
| Exons | 1..131, 159..870 | | |
| GI Descrip. | hypothetical protein - garden snapdragon | | |

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|---|---|---|---|
| Seq. No. | 7394 | Seq. ID | OJ990331_05.9923.C4 |
| Gene No. | 15607 | Strand | + |
| Start | 1 | End | 888 |
| Name | OJ990331_05.9923.C4.o1.gs | Method | GENSCAN |
| Start | 24 | End | 575 |
| GI | none | Score | .65 |
| Exons | 24..575 | | |

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|---|---|---|---|
| Seq. No. | 7394 | Seq. ID | OJ990331_05.9923.C4 |
| Gene No. | 15607 | Strand | + |
| Start | 1 | End | 888 |
| Name | OJ990331_05.9923.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 495 | End | 879 |
| GI | none | Score | 132 |
| Exons | 495..692, 504..878, 518..766, 565..879 | | |

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| Seq. No. | 7394 | Seq. ID | OJ990331_05.9923.C4 |
| Gene No. | 15607 | Strand | + |
| Start | 1 | End | 888 |
| Name | OJ990331_05.9923.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 553 | End | 888 |
| GI | none | Score | 259 |
| Exons | 553..888, 573..701, 751..882 | | |

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| Seq. No. | 7395 | Seq. ID | OJ990331_05.9923.C5 |
| Gene No. | 15608 | Strand | + |
| Start | 1 | End | 723 |
| Name | OJ990331_05.9923.C5.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 329 |
| GI | 2310280 | Score | 619 |
| Exons | 1..329 | | |

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| Seq. No. | 7395 | Seq. ID | OJ990331_05.9923.C5 |
| Gene No. | 15608 | Strand | + |
| Start | 1 | End | 723 |
| Name | OJ990331_05.9923.C5.o1.gs | Method | GENSCAN |
| Start | 111 | End | 723 |
| GI | none | Score | .71 |
| Exons | 111..191, 270..723 | | |

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|---|---|---|---|
| Seq. No. | 7396 | Seq. ID | OJ990331_05.9923.C7 |
| Gene No. | 15609 | Strand | - |
| Start | 231 | End | 317 |
| Name | OJ990331_05.9923.C7.o1.gs | Method | GENSCAN |
| Start | 231 | End | 317 |
| GI | none | Score | .6 |
| Exons | 231..317 | | |

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|---|---|---|---|
| Seq. No. | 7397 | Seq. ID | OJ990331_05.9923.C9 |
| Gene No. | 15610 | Strand | + |
| Start | 646 | End | 941 |
| Name | OJ990331_05.9923.C9.o1.gs | Method | GENSCAN |
| Start | 646 | End | 941 |
| GI | none | Score | .73 |
| Exons | 646..836, 859..941 | | |

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|---|---|---|---|
| Seq. No. | 7398 | Seq. ID | OJ990331_05.9923.C10 |
| Gene No. | 15611 | Strand | + |
| Start | 107 | End | 1315 |
| Name | OJ990331_05.9923.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 1 | End | 147 |
| GI | none | Score | 201 |
| Exons | 1..147, 2..145, 28..147 | | |

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|---|---|---|---|
| Seq. No. | 7398 | Seq. ID | OJ990331_05.9923.C10 |
| Gene No. | 15611 | Strand | + |
| Start | 107 | End | 1315 |
| Name | OJ990331_05.9923.C10.o1.gs | Method | GENSCAN |
| Start | 107 | End | 1315 |
| GI | none | Score | .93 |
| Exons | 107..1315 | | |

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|---|---|---|---|
| Seq. No. | 7398 | Seq. ID | OJ990331_05.9923.C10 |
| Gene No. | 15611 | Strand | + |
| Start | 107 | End | 1315 |
| Name | OJ990331_05.9923.C10.o1.np | Method | AAT/NAP |
| Start | 107 | End | 1312 |
| GI | 2126090 | Score | 2114 |
| Exons | 107..1312 | | |
| GI Descrip. | transposase (insertion sequence IS10) - Escherichia coli | | |
| | gi\|455676\|bbs\|140379 (S67119) transposase [Escherichia coli, | | |

LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7399 | Seq. ID | OJ990331_05.9923.C11 |
| Gene No. | 15612 | Strand | - |
| Start | 241 | End | 660 |
| Name | OJ990331_05.9923.C11.o1.np | Method | AAT/NAP |
| Start | 241 | End | 660 |
| GI | 6539570 | Score | 100 |
| Exons | 241..308, 457..660 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7399 | Seq. ID | OJ990331_05.9923.C11 |
| Gene No. | 15612 | Strand | - |
| Start | 241 | End | 660 |
| Name | OJ990331_05.9923.C11.o1.gs | Method | GENSCAN |
| Start | 526 | End | 624 |
| GI | none | Score | .58 |
| Exons | 526..624 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15613 | Strand | + |
| Start | 5922 | End | 11966 |
| Name | OJ990331_05.9923.C12.o4.gs | Method | GENSCAN |
| Start | 5922 | End | 8069 |
| GI | none | Score | 1 |
| Exons | 5922..8069 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15613 | Strand | + |
| Start | 5922 | End | 11966 |
| Name | OJ990331_05.9923.C12.o3.np | Method | AAT/NAP |
| Start | 7335 | End | 11966 |
| GI | 1351856 | Score | 342 |
| Exons | 7335..7367, 8404..8454, 8780..8832, 8990..9131, 10085..10219, 10263..10361, 11476..11672, 11811..11966 | | |
| GI Descrip. | ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|868003|dbj|BAA06108| (D29629) aconitase [Cucurbita sp.] | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15614 | Strand | + |
| Start | 17723 | End | 21986 |
| Name | OJ990331_05.9923.C12.o7.gs | Method | GENSCAN |
| Start | 17723 | End | 21986 |
| GI | none | Score | .47 |
| Exons | 17723..17822, 18416..18475, 21108..21136, 21852..21986 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15615 | Strand | + |
| Start | 23280 | End | 30720 |
| Name | OJ990331_05.9923.C12.o8.gs | Method | GENSCAN |
| Start | 23280 | End | 30720 |
| GI | none | Score | .52 |
| Exons | 23280..23426, 23571..23619, 23926..24344, 24694..24823, | | |

25390..26998, 27101..27233, 27519..27611, 28302..28413,
28415..28502, 30594..30720

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15616 | Strand | + |
| Start | 36477 | End | 39050 |
| Name | OJ990331_05.9923.C12.o10.gs | Method | GENSCAN |
| Start | 36477 | End | 39050 |
| GI | none | Score | .59 |
| Exons | 36477..36673, 37531..37655, 38683..39050 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15617 | Strand | - |
| Start | 1 | End | 1269 |
| Name | OJ990331_05.9923.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 842 |
| GI | 2213632 | Score | 600 |
| Exons | 1..842 | | |
| GI Descrip. | (AC000103) F21J9.24 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15617 | Strand | - |
| Start | 1 | End | 1269 |
| Name | OJ990331_05.9923.C12.o1.gs | Method | GENSCAN |
| Start | 165 | End | 1269 |
| GI | none | Score | .5 |
| Exons | 165..421, 1080..1269 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15618 | Strand | - |
| Start | 9178 | End | 10849 |
| Name | OJ990331_05.9923.C12.o5.gs | Method | GENSCAN |
| Start | 9178 | End | 10849 |
| GI | none | Score | .74 |
| Exons | 9178..9309, 9467..9654, 10780..10849 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15619 | Strand | - |
| Start | 13256 | End | 16073 |
| Name | OJ990331_05.9923.C12.o1.gp | Method | AAT/GAP |
| Start | 12960 | End | 13289 |
| GI | 2311342 | Score | 584 |
| Exons | 12960..13289 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15619 | Strand | - |
| Start | 13256 | End | 16073 |
| Name | OJ990331_05.9923.C12.o6.gs | Method | GENSCAN |
| Start | 13256 | End | 16073 |
| GI | none | Score | .82 |
| Exons | 13256..13406, 15961..16073 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15620 | Strand | - |
| Start | 31353 | End | 33560 |
| Name | OJ990331_05.9923.C12.o9.gs | Method | GENSCAN |
| Start | 31353 | End | 33560 |

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|---|---|---|---|
| GI | none | Score | 1 |
| Exons | 31353..33560 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15620 | Strand | - |
| Start | 31353 | End | 33560 |
| Name | OJ990331_05.9923.C12.o4.np | Method | AAT/NAP |
| Start | 31383 | End | 33551 |
| GI | 1707007 | Score | 1670 |
| Exons | 31383..33551 | | |
| GI Descrip. | (U78721) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15621 | Strand | - |
| Start | 43320 | End | 49103 |
| Name | OJ990331_05.9923.C12.o5.np | Method | AAT/NAP |
| Start | 43320 | End | 49103 |
| GI | 4680203 | Score | 1584 |
| Exons | 43320..43344, 44460..45307, 45584..45791, 45948..47582, 49035..49103 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o3.tw | Method | TBLASTX:Wheat |
| Start | 322 | End | 728 |
| GI | none | Score | 136 |
| Exons | 322..540, 327..557, 328..540, 546..656, 546..728, 565..657 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 396 | End | 1022 |
| GI | none | Score | 67 |
| Exons | 396..488, 484..543, 489..560, 561..593, 597..1022, 787..1014 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o9.tw | Method | TBLASTX:Wheat |
| Start | 732 | End | 1069 |
| GI | none | Score | 89 |
| Exons | 732..1013, 757..1005, 1022..1069 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o8.tm | Method | TBLASTX:Maize |
| Start | 6521 | End | 6737 |
| GI | none | Score | 58 |
| Exons | 6521..6589, 6522..6584, 6575..6736, 6594..6737 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |

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|---|---|---|---|
| Name | OJ990331_05.9923.C12.o4.tc | Method | TBLASTX:Cress |
| Start | 8777 | End | 12085 |
| GI | none | Score | 65 |
| Exons | 8777..8830, 10085..10201, 10087..10206, 10262..10342, 10262..10342, 10278..10343, 11526..11582, 11527..11577, 11582..11653, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12072, 12038..12085 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o4.ts | Method | TBLASTX:Soybean |
| Start | 9078 | End | 12112 |
| GI | none | Score | 65 |
| Exons | 9078..9134, 10085..10201, 10086..10199, 10087..10206, 10262..10342, 10278..10343, 11526..11582, 11527..11580, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12087, 12038..12112 | | |

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|---|---|---|---|
| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o7.tm | Method | TBLASTX:Maize |
| Start | 9078 | End | 12112 |
| GI | none | Score | 69 |
| Exons | 9078..9134, 10085..10204, 10087..10206, 10253..10342, 10278..10343, 11526..11594, 11526..11582, 11582..11629, 11583..11630, 11842..11892, 11897..12049, 11899..11949, 11917..12045, 12038..12112, 12046..12087 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o8.tw | Method | TBLASTX:Wheat |
| Start | 11897 | End | 12112 |
| GI | none | Score | 181 |
| Exons | 11897..12049, 11926..12072, 12038..12112, 12046..12111 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 23256 | End | 24376 |
| GI | none | Score | 158 |
| Exons | 23256..23426, 23264..23425, 23571..23618, 23924..24100, 23925..24101, 24067..24210, 24078..24374, 24078..24362, 24098..24376, 24107..24376 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o6.tw | Method | TBLASTX:Wheat |
| Start | 23376 | End | 24359 |
| GI | none | Score | 64 |
| Exons | 23376..23426, 23571..23618, 23924..23965, 23925..23960, 23955..24359, 23958..24359 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o5.tm | Method | TBLASTX:Maize |
| Start | 25533 | End | 25831 |
| GI | none | Score | 252 |
| Exons | 25533..25826, 25535..25831 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o7.tw | Method | TBLASTX:Wheat |
| Start | 25584 | End | 25859 |
| GI | none | Score | 282 |
| Exons | 25584..25859, 25646..25822 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o6.ts | Method | TBLASTX:Soybean |
| Start | 25614 | End | 26000 |
| GI | none | Score | 177 |
| Exons | 25614..25925, 25902..26000 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 31461 | End | 33107 |
| GI | none | Score | 164 |
| Exons | 31461..32303, 31822..32304, 31974..32342, 31992..32180, 32008..32334, 32211..32606, 32211..32411, 32310..32606, 32311..32607, 32322..32714, 32514..32846, 32515..32826, 32518..32628, 32613..32855, 32613..32885, 32614..32847, 32619..32855, 32916..33086, 32922..33107, 32925..33089, 32928..33098, 32928..33020 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 31476 | End | 31997 |
| GI | none | Score | 85 |
| Exons | 31476..31997, 31759..31965 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 31497 | End | 32693 |
| GI | none | Score | 76 |
| Exons | 31497..32084, 32136..32165, 32520..32693 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o5.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 31870 | End | 33104 |
| GI | none | Score | 147 |
| Exons | 31870..32304, 31875..32345, 32232..32648, 32388..32477, 32542..32649, 32542..32904, 32565..32906, 32925..33104 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o3.ts | Method | TBLASTX:Soybean |
| Start | 32007 | End | 33110 |
| GI | none | Score | 140 |
| Exons | 32007..32312, 32244..32618, 32245..32616, 32550..32915, 32614..32907, 32922..33110 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 44561 | End | 45661 |
| GI | none | Score | 63 |
| Exons | 44561..44662, 44568..44660, 44664..44783, 44678..44776, 44771..44959, 44787..44969, 44978..45661, 45066..45446, 45158..45463, 45513..45641 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o9.tm | Method | TBLASTX:Maize |
| Start | 44795 | End | 45085 |
| GI | none | Score | 85 |
| Exons | 44795..44902, 44796..44903, 44915..45085, 44916..45083 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o3.tc | Method | TBLASTX:Cress |
| Start | 44978 | End | 45403 |
| GI | none | Score | 122 |
| Exons | 44978..45403, 45066..45395 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 45335 | End | 45719 |
| GI | none | Score | 254 |
| Exons | 45335..45649, 45336..45710, 45448..45696, 45522..45719 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o6.tm | Method | TBLASTX:Maize |
| Start | 46482 | End | 46746 |
| GI | none | Score | 97 |
| Exons | 46482..46736, 46534..46746 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |

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| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o2.tc | Method | TBLASTX:Cress |
| Start | 46515 | End | 46865 |
| GI | none | Score | 78 |
| Exons | 46515..46865, 46570..46677, 46711..46761 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o5.ts | Method | TBLASTX:Soybean |
| Start | 46587 | End | 46871 |
| GI | none | Score | 130 |
| Exons | 46587..46871, 46597..46836 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o4.tw | Method | TBLASTX:Wheat |
| Start | 46611 | End | 47204 |
| GI | none | Score | 69 |
| Exons | 46611..46736, 46612..46719, 46734..46832, 46740..46856, 46912..47202, 46914..47204 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 46888 | End | 47186 |
| GI | none | Score | 109 |
| Exons | 46888..47169, 46914..47186 | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o6.np | Method | AAT/NAP |
| Start | 49506 | End | 54552 |
| GI | 5420389 | Score | 134 |
| Exons | 49506..49544, 52326..52614, 53776..53994, 54284..54378, 54453..54552 | | |
| GI Descrip. | (AJ243460) proteophosphoglycan [Leishmania major] | | |

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| Seq. No. | 7400 | Seq. ID | OJ990331_05.9923.C12 |
| Gene No. | 15622 | Strand | - |
| Start | 49506 | End | 54552 |
| Name | OJ990331_05.9923.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 52274 | End | 52605 |
| GI | none | Score | 346 |
| Exons | 52274..52459, 52282..52605, 52283..52600 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15623 | Strand | + |
| Start | 114 | End | 1454 |
| Name | OJ990331_05.9923.C13.o1.gs | Method | GENSCAN |
| Start | 114 | End | 1454 |
| GI | none | Score | .52 |
| Exons | 114..211, 334..427, 1158..1454 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15624 | Strand | + |
| Start | 2535 | End | 4716 |
| Name | OJ990331_05.9923.C13.o3.np | Method | AAT/NAP |
| Start | 2517 | End | 4713 |
| GI | 1621465 | Score | 1118 |
| Exons | 2517..2645, 2751..2902, 3007..3251, 3375..4490, 4586..4713 | | |
| GI Descrip. | (U73105) laccase [Liriodendron tulipifera] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15624 | Strand | + |
| Start | 2535 | End | 4716 |
| Name | OJ990331_05.9923.C13.o2.gs | Method | GENSCAN |
| Start | 2535 | End | 4716 |
| GI | none | Score | .9 |
| Exons | 2535..2645, 2751..2902, 3007..3273, 3279..3312, 3380..4490, 4586..4716 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15625 | Strand | + |
| Start | 10568 | End | 14427 |
| Name | OJ990331_05.9923.C13.o4.np | Method | AAT/NAP |
| Start | 10568 | End | 14427 |
| GI | 6681341 | Score | 475 |
| Exons | 10568..10646, 10804..11108, 12864..13359, 14275..14427 | | |
| GI Descrip. | (AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi\|6682260\|gb\|AAF23312.1\|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15625 | Strand | + |
| Start | 10568 | End | 14427 |
| Name | OJ990331_05.9923.C13.o1.gp | Method | AAT/GAP |
| Start | 10815 | End | 13038 |
| GI | none | Score | 882 |
| Exons | 10815..11108, 12864..13038 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15625 | Strand | + |
| Start | 10568 | End | 14427 |
| Name | OJ990331_05.9923.C13.o2.gp | Method | AAT/GAP |
| Start | 13028 | End | 13352 |
| GI | none | Score | 552 |
| Exons | 13028..13352 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15626 | Strand | + |
| Start | 15950 | End | 18215 |
| Name | OJ990331_05.9923.C13.o5.np | Method | AAT/NAP |
| Start | 15950 | End | 18215 |
| GI | 6523547 | Score | 388 |
| Exons | 15950..16720, 16862..17306, 18190..18215 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |

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|---|---|---|---|
| Gene No. | 15626 | Strand | + |
| Start | 15950 | End | 18215 |
| Name | OJ990331_05.9923.C13.o6.np | Method | AAT/NAP |
| Start | 15950 | End | 17346 |
| GI | 6523547 | Score | 385 |
| Exons | 15950..16720, 16862..17346 | | |
| GI Descrip. | (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15627 | Strand | + |
| Start | 19342 | End | 19502 |
| Name | OJ990331_05.9923.C13.o4.gp | Method | AAT/GAP |
| Start | 19342 | End | 19502 |
| GI | none | Score | 294 |
| Exons | 19342..19502 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15628 | Strand | + |
| Start | 29824 | End | 29883 |
| Name | OJ990331_05.9923.C13.o6.gp | Method | AAT/GAP |
| Start | 29824 | End | 29883 |
| GI | 2338_1.R1084 | Score | 75 |
| Exons | 29824..29883 | | |
| GI Descrip. | '5803242/dbj\|AP000399.1\|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04' | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15629 | Strand | - |
| Start | 1 | End | 1454 |
| Name | OJ990331_05.9923.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1454 |
| GI | 6539570 | Score | 190 |
| Exons | 1..207, 964..1038, 1241..1454 | | |
| GI Descrip. | (AP000836) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15630 | Strand | - |
| Start | 1591 | End | 2935 |
| Name | OJ990331_05.9923.C13.o2.np | Method | AAT/NAP |
| Start | 1591 | End | 2935 |
| GI | 6630699 | Score | 73 |
| Exons | 1591..1668, 2887..2935 | | |
| GI Descrip. | (AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15631 | Strand | - |
| Start | 5628 | End | 7972 |
| Name | OJ990331_05.9923.C13.o3.gs | Method | GENSCAN |
| Start | 5628 | End | 7972 |
| GI | none | Score | .54 |
| Exons | 5628..5767, 5905..6000, 6069..6623, 7954..7972 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15632 | Strand | - |

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|---|---|---|---|
| Start | 14349 | End | 14646 |
| Name | OJ990331_05.9923.C13.o3.gp | Method | AAT/GAP |
| Start | 14349 | End | 14646 |
| GI | 5002971 | Score | 550 |
| Exons | 14349..14646 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15633 | Strand | - |
| Start | 18050 | End | 18463 |
| Name | OJ990331_05.9923.C13.o5.gs | Method | GENSCAN |
| Start | 18050 | End | 18463 |
| GI | none | Score | .94 |
| Exons | 18050..18463 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15634 | Strand | - |
| Start | 19524 | End | 24758 |
| Name | OJ990331_05.9923.C13.o7.np | Method | AAT/NAP |
| Start | 19449 | End | 22889 |
| GI | 6729012 | Score | 1647 |
| Exons | 19449..19514, 19604..19850, 20005..20219, 20301..20480, 20675..20939, 21411..21625, 21714..21923, 22056..22113, 22626..22889 | | |
| GI Descrip. | (AC016827) putative GTPase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15634 | Strand | - |
| Start | 19524 | End | 24758 |
| Name | OJ990331_05.9923.C13.o6.gs | Method | GENSCAN |
| Start | 19524 | End | 24758 |
| GI | none | Score | .79 |
| Exons | 19524..19850, 20008..20219, 20301..20480, 20675..20939, 21411..21625, 21714..21887, 21975..22113, 22460..22513, 22626..23109, 23550..23885, 24140..24280, 24724..24758 | | |

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|---|---|---|---|
| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15634 | Strand | - |
| Start | 19524 | End | 24758 |
| Name | OJ990331_05.9923.C13.o5.gp | Method | AAT/GAP |
| Start | 21749 | End | 22964 |
| GI | 28067_1.R1084 | Score | 1173 |
| Exons | 21749..21887, 21975..22113, 22626..22964 | | |
| GI Descrip. | '629881/pir\|\|S40612 5.0e-10 myosin-related protein - slime mold (Physarum polycephalum) >gi_511053_emb_CAA79924_ (Z21878) myosin-related protein [Physarum polycephalum]' | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 2751 | End | 3253 |
| GI | none | Score | 166 |
| Exons | 2751..2903, 2768..2902, 3007..3174, 3008..3190, 3215..3253 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |

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|---|---|---|---|
| Name | OJ990331_05.9923.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 2751 | End | 3232 |
| GI | none | Score | 94 |
| Exons | 2751..2825, 2765..2839, 2814..2903, 2843..2902, 3007..3201, 3008..3232 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o8.tm | Method | TBLASTX:Maize |
| Start | 2826 | End | 3250 |
| GI | none | Score | 49 |
| Exons | 2826..2903, 3007..3240, 3008..3250 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 3008 | End | 3253 |
| GI | none | Score | 266 |
| Exons | 3008..3253, 3031..3252 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o11.tm | Method | TBLASTX:Maize |
| Start | 3377 | End | 3687 |
| GI | none | Score | 81 |
| Exons | 3377..3487, 3421..3480, 3494..3685, 3508..3687 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o6.ts | Method | TBLASTX:Soybean |
| Start | 3377 | End | 3826 |
| GI | none | Score | 99 |
| Exons | 3377..3505, 3424..3477, 3484..3687, 3494..3685, 3791..3826 | | |

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|---|---|---|---|
| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o4.tw | Method | TBLASTX:Wheat |
| Start | 3494 | End | 3705 |
| GI | none | Score | 192 |
| Exons | 3494..3700, 3503..3700, 3505..3705 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o5.tm | Method | TBLASTX:Maize |
| Start | 4079 | End | 4716 |
| GI | none | Score | 65 |
| Exons | 4079..4210, 4246..4293, 4247..4312, 4304..4492, 4312..4494, 4584..4712, 4585..4716 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |

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| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o4.ts | Method | TBLASTX:Soybean |
| Start | 4318 | End | 4716 |
| GI | none | Score | 221 |
| Exons | 4318..4494, 4319..4492, 4584..4712, 4585..4716 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o3.tc | Method | TBLASTX:Cress |
| Start | 4346 | End | 4719 |
| GI | none | Score | 150 |
| Exons | 4346..4492, 4351..4494, 4585..4719 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 12850 | End | 14382 |
| GI | none | Score | 200 |
| Exons | 12850..13107, 12861..13070, 12919..13107, 13162..13359, 13164..13349, 14164..14211, 14274..14369, 14275..14382 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o4.tm | Method | TBLASTX:Maize |
| Start | 12922 | End | 14406 |
| GI | none | Score | 166 |
| Exons | 12922..13110, 12933..13112, 13141..13359, 13143..13358, 14274..14393, 14275..14406 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 12936 | End | 13300 |
| GI | none | Score | 162 |
| Exons | 12936..13112, 12937..13110, 13141..13299, 13149..13298, 13166..13300 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o6.tm | Method | TBLASTX:Maize |
| Start | 19515 | End | 20067 |
| GI | none | Score | 42 |
| Exons | 19515..19850, 19517..19852, 19524..19562, 19598..19873, 20008..20067, 20008..20067 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 19530 | End | 20475 |
| GI | none | Score | 64 |
| Exons | 19530..19649, 19713..19811, 20008..20139, 20008..20235, | | |

20036..20221, 20281..20382, 20293..20409, 20297..20422,
20416..20475, 20425..20475

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o7.tm | Method | TBLASTX:Maize |
| Start | 20167 | End | 20862 |
| GI | none | Score | 67 |
| Exons | 20167..20235, 20168..20221, 20293..20490, 20297..20482, 20670..20783, 20670..20861, 20671..20862 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o5.ts | Method | TBLASTX:Soybean |
| Start | 20700 | End | 21611 |
| GI | none | Score | 131 |
| Exons | 20700..20942, 20713..20871, 20726..20926, 21406..21468, 21408..21467, 21522..21611, 21526..21603 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 21483 | End | 22842 |
| GI | none | Score | 139 |
| Exons | 21483..21593, 21496..21594, 21591..21626, 21598..21627, 21705..21812, 21706..21894, 21714..21887, 21716..21889, 21955..22116, 21987..22115, 22677..22760, 22714..22764, 22771..22842 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o7.ts | Method | TBLASTX:Soybean |
| Start | 21706 | End | 22839 |
| GI | none | Score | 165 |
| Exons | 21706..21888, 21716..21883, 21735..21890, 21758..21889, 21766..21891, 22036..22116, 22677..22766, 22714..22839 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o9.tm | Method | TBLASTX:Maize |
| Start | 31750 | End | 32026 |
| GI | none | Score | 245 |
| Exons | 31750..32025, 31751..31999, 31770..32012, 31772..32026 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o7.gs | Method | GENSCAN |
| Start | 31771 | End | 37060 |
| GI | none | Score | .64 |
| Exons | 31771..34816, 35219..35425, 37005..37060 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 31789 | End | 33006 |
| GI | none | Score | 97 |
| Exons | 31789..31914, 31790..31903, 31898..32119, 31918..32136, 32926..33006 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o9.ts | Method | TBLASTX:Soybean |
| Start | 31801 | End | 33036 |
| GI | 4396873 | Score | 82 |
| Exons | 31801..31896, 31873..32163, 31943..32155, 32941..33036 | | |
| GI Descrip. | 4432867/gb_AAD20715_ 2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 32029 | End | 33202 |
| GI | none | Score | 648 |
| Exons | 32029..32166, 32197..32322, 32563..33189, 32569..33192, 32570..33202 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o4.tc | Method | TBLASTX:Cress |
| Start | 32041 | End | 33120 |
| GI | none | Score | 198 |
| Exons | 32041..32184, 32197..32247, 32806..33120 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o10.tm | Method | TBLASTX:Maize |
| Start | 32323 | End | 33321 |
| GI | none | Score | 145 |
| Exons | 32323..32466, 32324..32443, 32326..32463, 33205..33321 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o8.np | Method | AAT/NAP |
| Start | 32476 | End | 34794 |
| GI | 6437559 | Score | 779 |
| Exons | 32476..32555, 32658..33675, 33751..34121, 34236..34794 | | |
| GI Descrip. | (AC011623) putative DnaJ protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o7.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 33678 | End | 34144 |
| GI | 2310280 | Score | 895 |
| Exons | 33678..34144 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 34376 | End | 34758 |
| GI | none | Score | 332 |
| Exons | 34376..34738, 34388..34750, 34393..34758, 34405..34758 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o5.tw | Method | TBLASTX:Wheat |
| Start | 34408 | End | 34674 |
| GI | none | Score | 88 |
| Exons | 34408..34617, 34439..34567, 34612..34674 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o2.tc | Method | TBLASTX:Cress |
| Start | 34426 | End | 34803 |
| GI | none | Score | 110 |
| Exons | 34426..34629, 34457..34606, 34606..34803, 34606..34797 | | |

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| Seq. No. | 7401 | Seq. ID | OJ990331_05.9923.C13 |
| Gene No. | 15635 | Strand | - |
| Start | 31771 | End | 37060 |
| Name | OJ990331_05.9923.C13.o8.ts | Method | TBLASTX:Soybean |
| Start | 34489 | End | 34725 |
| GI | none | Score | 85 |
| Exons | 34489..34602, 34490..34600, 34606..34725, 34629..34697 | | |

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| Seq. No. | 7402 | Seq. ID | OJ990331_05.9923.C14 |
| Gene No. | 15636 | Strand | + |
| Start | 123 | End | 461 |
| Name | OJ990331_05.9923.C14.o1.gs | Method | GENSCAN |
| Start | 123 | End | 461 |
| GI | none | Score | .97 |
| Exons | 123..310, 353..461 | | |

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|---|---|---|---|
| Seq. No. | 7403 | Seq. ID | OJ990331_05.9923.C16 |
| Gene No. | 15637 | Strand | - |
| Start | 466 | End | 653 |
| Name | OJ990331_05.9923.C16.o1.gs | Method | GENSCAN |
| Start | 466 | End | 653 |
| GI | none | Score | .69 |
| Exons | 466..503, 581..653 | | |

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| Seq. No. | 7404 | Seq. ID | OJ990331_05.9923.C18 |
| Gene No. | 15638 | Strand | - |
| Start | 18 | End | 570 |
| Name | OJ990331_05.9923.C18.o1.gs | Method | GENSCAN |
| Start | 18 | End | 530 |

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|---|---|---|---|
| GI | none | Score | .95 |
| Exons | 18..530 | | |

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| Seq. No. | 7404 | Seq. ID | OJ990331_05.9923.C18 |
| Gene No. | 15638 | Strand | - |
| Start | 18 | End | 570 |
| Name | OJ990331_05.9923.C18.o1.tm | Method | TBLASTX:Maize |
| Start | 57 | End | 395 |
| GI | none | Score | 214 |
| Exons | 57..329, 67..327, 69..329, 70..330, 325..384, 328..390, 330..395, 333..395 | | |

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| Seq. No. | 7404 | Seq. ID | OJ990331_05.9923.C18 |
| Gene No. | 15638 | Strand | - |
| Start | 18 | End | 570 |
| Name | OJ990331_05.9923.C18.o1.tw | Method | TBLASTX:Wheat |
| Start | 69 | End | 416 |
| GI | none | Score | 97 |
| Exons | 69..194, 70..183, 178..399, 198..416 | | |

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| Seq. No. | 7404 | Seq. ID | OJ990331_05.9923.C18 |
| Gene No. | 15638 | Strand | - |
| Start | 18 | End | 570 |
| Name | OJ990331_05.9923.C18.o1.ts | Method | TBLASTX:Soybean |
| Start | 81 | End | 443 |
| GI | 4396873 | Score | 64 |
| Exons | 81..176, 82..207, 153..443, 223..435 | | |
| GI Descrip. | 4432867/gb_AAD20715_ 2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7404 | Seq. ID | OJ990331_05.9923.C18 |
| Gene No. | 15638 | Strand | - |
| Start | 18 | End | 570 |
| Name | OJ990331_05.9923.C18.o2.tm | Method | TBLASTX:Maize |
| Start | 408 | End | 570 |
| GI | none | Score | 133 |
| Exons | 408..566, 409..570, 430..570 | | |

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|---|---|---|---|
| Seq. No. | 7405 | Seq. ID | OJ990331_05.9923.C19 |
| Gene No. | 15639 | Strand | + |
| Start | 1 | End | 817 |
| Name | OJ990331_05.9923.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 773 |
| GI | 100484 | Score | 434 |
| Exons | 1..773 | | |
| GI Descrip. | hypothetical protein - garden snapdragon | | |

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|---|---|---|---|
| Seq. No. | 7405 | Seq. ID | OJ990331_05.9923.C19 |
| Gene No. | 15639 | Strand | + |
| Start | 1 | End | 817 |
| Name | OJ990331_05.9923.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 399 | End | 782 |
| GI | none | Score | 132 |
| Exons | 399..596, 408..707, 422..694, 469..708, 708..782 | | |

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|---|---|---|---|
| Seq. No. | 7405 | Seq. ID | OJ990331_05.9923.C19 |
| Gene No. | 15639 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 817 |
| Name | OJ990331_05.9923.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 457 | End | 817 |
| GI | none | Score | 179 |
| Exons | 457..708, 477..605, 708..791, | 720..785, | 794..817 |

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|---|---|---|---|
| Seq. No. | 7406 | Seq. ID | OJ990331_05.9923.C22 |
| Gene No. | 15640 | Strand | - |
| Start | 147 | End | 561 |
| Name | OJ990331_05.9923.C22.o1.gs | Method | GENSCAN |
| Start | 147 | End | 561 |
| GI | none | Score | .4 |
| Exons | 147..218, 493..561 | | |

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|---|---|---|---|
| Seq. No. | 7407 | Seq. ID | OJ990331_05.9923.C23 |
| Gene No. | 15641 | Strand | - |
| Start | 351 | End | 762 |
| Name | OJ990331_05.9923.C23.o1.ts | Method | TBLASTX:Soybean |
| Start | 246 | End | 753 |
| GI | none | Score | 74 |
| Exons | 246..275, 348..482, 352..483, | 573..698, | 575..697, 700..753 |

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|---|---|---|---|
| Seq. No. | 7407 | Seq. ID | OJ990331_05.9923.C23 |
| Gene No. | 15641 | Strand | - |
| Start | 351 | End | 762 |
| Name | OJ990331_05.9923.C23.o1.gs | Method | GENSCAN |
| Start | 351 | End | 701 |
| GI | none | Score | .95 |
| Exons | 351..481, 577..701 | | |

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|---|---|---|---|
| Seq. No. | 7407 | Seq. ID | OJ990331_05.9923.C23 |
| Gene No. | 15641 | Strand | - |
| Start | 351 | End | 762 |
| Name | OJ990331_05.9923.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 351 | End | 762 |
| GI | none | Score | 80 |
| Exons | 351..482, 355..483, 575..718, | 583..699, | 700..762, 717..755 |

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|---|---|---|---|
| Seq. No. | 7407 | Seq. ID | OJ990331_05.9923.C23 |
| Gene No. | 15641 | Strand | - |
| Start | 351 | End | 762 |
| Name | OJ990331_05.9923.C23.o1.tc | Method | TBLASTX:Cress |
| Start | 352 | End | 664 |
| GI | none | Score | 81 |
| Exons | 352..486, 354..488, 573..662, | 575..664 | |

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| Seq. No. | 7407 | Seq. ID | OJ990331_05.9923.C23 |
| Gene No. | 15641 | Strand | - |
| Start | 351 | End | 762 |
| Name | OJ990331_05.9923.C23.o1.np | Method | AAT/NAP |
| Start | 354 | End | 762 |
| GI | 1621461 | Score | 299 |
| Exons | 354..481, 577..762 | | |
| GI Descrip. | (U73103) laccase [Liriodendron tulipifera] | | |

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| Seq. No. | 7408 | Seq. ID | OJ990331_01.9922.C1 |
| Gene No. | 15642 | Strand | + |

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|---|---|---|---|
| Start | 474 | End | 724 |
| Name | OJ990331_01.9922.C1.o1.np | Method | AAT/NAP |
| Start | 474 | End | 724 |
| GI | 6907088 | Score | 188 |
| Exons | 474..724 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7408 | Seq. ID | OJ990331_01.9922.C1 |
| Gene No. | 15643 | Strand | - |
| Start | 296 | End | 698 |
| Name | OJ990331_01.9922.C1.o1.gs | Method | GENSCAN |
| Start | 296 | End | 698 |
| GI | none | Score | .5 |
| Exons | 296..337, 576..698 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15644 | Strand | + |
| Start | 1944 | End | 3309 |
| Name | OJ990331_01.9922.C2.o1.gs | Method | GENSCAN |
| Start | 1944 | End | 3309 |
| GI | none | Score | .47 |
| Exons | 1944..2712, 2760..2881, 3292..3309 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15644 | Strand | + |
| Start | 1944 | End | 3309 |
| Name | OJ990331_01.9922.C2.o1.np | Method | AAT/NAP |
| Start | 1964 | End | 2825 |
| GI | 3668083 | Score | 187 |
| Exons | 1964..2092, 2277..2421, 2476..2825 | | |
| GI Descrip. | (AC004667) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15644 | Strand | + |
| Start | 1944 | End | 3309 |
| Name | OJ990331_01.9922.C2.o1.gp | Method | AAT/GAP |
| Start | 2602 | End | 3235 |
| GI | none | Score | 1137 |
| Exons | 2602..3235 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15645 | Strand | + |
| Start | 5448 | End | 6051 |
| Name | OJ990331_01.9922.C2.o2.gs | Method | GENSCAN |
| Start | 5448 | End | 6051 |
| GI | none | Score | .81 |
| Exons | 5448..5527, 5763..5991, 6046..6051 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15646 | Strand | + |
| Start | 10679 | End | 10766 |
| Name | OJ990331_01.9922.C2.o2.gp | Method | AAT/GAP |
| Start | 10679 | End | 10766 |
| GI | none | Score | 176 |
| Exons | 10679..10766 | | |

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| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |

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|---|---|---|---|
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 2622 | End | 3083 |
| GI | none | Score | 46 |
| Exons | 2622..2669, 2678..2734, 2729..2827, 2730..2750, 2819..2938, 2846..2950, 2878..2949, 2934..3002, 2936..3004, 2937..3002, 2938..3006, 3015..3083, 3031..3081 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o2.np | Method | AAT/NAP |
| Start | 3575 | End | 9364 |
| GI | 5042434 | Score | 621 |
| Exons | 3575..3664, 6975..7237, 7619..8993, 9222..9364 | | |
| GI Descrip. | (AC006193) Hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o3.gs | Method | GENSCAN |
| Start | 6420 | End | 9050 |
| GI | none | Score | 1 |
| Exons | 6420..9050 | | |

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| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 7803 | End | 8477 |
| GI | none | Score | 271 |
| Exons | 7803..8030, 7938..8477 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o1.tw | Method | TBLASTX:Wheat |
| Start | 7902 | End | 8276 |
| GI | none | Score | 198 |
| Exons | 7902..8276 | | |

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|---|---|---|---|
| Seq. No. | 7409 | Seq. ID | OJ990331_01.9922.C2 |
| Gene No. | 15647 | Strand | - |
| Start | 3575 | End | 9364 |
| Name | OJ990331_01.9922.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 7956 | End | 8474 |
| GI | none | Score | 214 |
| Exons | 7956..8474 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15648 | Strand | + |
| Start | 153 | End | 2840 |
| Name | OJ990331_01.9922.C3.o1.gs | Method | GENSCAN |
| Start | 153 | End | 2840 |
| GI | none | Score | .57 |
| Exons | 153..289, 358..459, 750..864, 1552..1667, 1785..1973, | | |

2141..2343, 2659..2840

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15648 | Strand | + |
| Start | 153 | End | 2840 |
| Name | OJ990331_01.9922.C3.o1.np | Method | AAT/NAP |
| Start | 153 | End | 2282 |
| GI | 6227000 | Score | 476 |
| Exons | 153..289, 358..459, 750..864, 1552..1671, 1795..1973, 2141..2282 | | |
| GI Descrip. | (AC009360) EST gb\|AI998705 comes from this gene. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15648 | Strand | + |
| Start | 153 | End | 2840 |
| Name | OJ990331_01.9922.C3.o1.gp | Method | AAT/GAP |
| Start | 771 | End | 2170 |
| GI | none | Score | 767 |
| Exons | 771..864, 1552..1667, 1785..1973, 2141..2170 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 152 | End | 1876 |
| GI | none | Score | 191 |
| Exons | 152..292, 153..287, 356..460, 358..465, 744..866, 744..866, 745..867, 748..867, 782..868, 1551..1667, 1552..1668, 1552..1668, 1783..1872, 1783..1875, 1784..1876 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 1635 | End | 2273 |
| GI | none | Score | 53 |
| Exons | 1635..1667, 1636..1668, 1642..1686, 1782..1973, 1782..1973, 1783..1974, 1783..1974, 2138..2269, 2139..2270, 2139..2273, 2147..2272 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 2220 | End | 2853 |
| GI | none | Score | 101 |
| Exons | 2220..2288, 2225..2293, 2225..2290, 2657..2848, 2658..2777, 2662..2853, 2663..2845 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o2.gp | Method | AAT/GAP |
| Start | 3703 | End | 4258 |
| GI | none | Score | 845 |
| Exons | 3703..4019, 4133..4258 | | |

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|---|---|---|---|
| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o2.np | Method | AAT/NAP |
| Start | 3944 | End | 4815 |
| GI | 3738320 | Score | 253 |
| Exons | 3944..4006, 4128..4488, 4787..4815 | | |
| GI Descrip. | (AC005170) putative cinnamoyl CoA reductase [Arabidopsis thaliana] | | |

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| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 3953 | End | 4488 |
| GI | none | Score | 222 |
| Exons | 3953..4003, 4172..4486, 4174..4488 | | |

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| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o2.gs | Method | GENSCAN |
| Start | 4093 | End | 4407 |
| GI | none | Score | .67 |
| Exons | 4093..4407 | | |

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| Seq. No. | 7410 | Seq. ID | OJ990331_01.9922.C3 |
| Gene No. | 15649 | Strand | - |
| Start | 4093 | End | 4815 |
| Name | OJ990331_01.9922.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 4222 | End | 4482 |
| GI | none | Score | 84 |
| Exons | 4222..4350, 4223..4348, 4373..4480, 4393..4482 | | |

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|---|---|---|---|
| Seq. No. | 7411 | Seq. ID | OJ990331_01.9922.C4 |
| Gene No. | 15650 | Strand | - |
| Start | 149 | End | 323 |
| Name | OJ990331_01.9922.C4.o1.gs | Method | GENSCAN |
| Start | 149 | End | 323 |
| GI | none | Score | .56 |
| Exons | 149..323 | | |

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|---|---|---|---|
| Seq. No. | 7412 | Seq. ID | OJ990331_01.9922.C5 |
| Gene No. | 15651 | Strand | + |
| Start | 657 | End | 944 |
| Name | OJ990331_01.9922.C5.o1.gs | Method | GENSCAN |
| Start | 657 | End | 944 |
| GI | none | Score | .49 |
| Exons | 657..944 | | |

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|---|---|---|---|
| Seq. No. | 7413 | Seq. ID | OJ990331_01.9922.C6 |
| Gene No. | 15652 | Strand | + |
| Start | 523 | End | 1527 |
| Name | OJ990331_01.9922.C6.o1.np | Method | AAT/NAP |
| Start | 523 | End | 1527 |
| GI | 6907086 | Score | 971 |
| Exons | 523..1267, 1326..1527 | | |

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7413 | Seq. ID | OJ990331_01.9922.C6 |
| Gene No. | 15652 | Strand | + |
| Start | 523 | End | 1527 |
| Name | OJ990331_01.9922.C6.o1.gs | Method | GENSCAN |
| Start | 678 | End | 1250 |
| GI | none | Score | .58 |
| Exons | 678..716, 805..1068, 1131..1250 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15653 | Strand | - |
| Start | 1023 | End | 4723 |
| Name | OJ990331_01.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 878 | End | 1313 |
| GI | none | Score | 710 |
| Exons | 878..1313 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15653 | Strand | - |
| Start | 1023 | End | 4723 |
| Name | OJ990331_01.9922.C7.o1.gs | Method | GENSCAN |
| Start | 1023 | End | 4723 |
| GI | none | Score | .45 |
| Exons | 1023..1589, 2341..2873, 3949..3970, 4049..4723 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15653 | Strand | - |
| Start | 1023 | End | 4723 |
| Name | OJ990331_01.9922.C7.o1.np | Method | AAT/NAP |
| Start | 1104 | End | 2826 |
| GI | 6562275 | Score | 140 |
| Exons | 1104..1304, 2413..2517, 2550..2826 | | |
| GI Descrip. | (AL132980) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15653 | Strand | - |
| Start | 1023 | End | 4723 |
| Name | OJ990331_01.9922.C7.o2.gp | Method | AAT/GAP |
| Start | 1454 | End | 2553 |
| GI | 2311653 | Score | 628 |
| Exons | 1454..1589, 2341..2553 | | |

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| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15653 | Strand | - |
| Start | 1023 | End | 4723 |
| Name | OJ990331_01.9922.C7.o2.np | Method | AAT/NAP |
| Start | 3024 | End | 4717 |
| GI | 2832627 | Score | 471 |
| Exons | 3024..3051, 4049..4079, 4174..4717 | | |
| GI Descrip. | (AL021711) xyloglucan endo-transglycosylase-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o2.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 1032 | End | 2733 |
| GI | none | Score | 59 |
| Exons | 1032..1133, 1051..1110, 1140..1181, 1220..1246, 2344..2463, 2351..2464, 2548..2673, 2558..2617, 2680..2733 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 1032 | End | 2733 |
| GI | none | Score | 58 |
| Exons | 1032..1133, 1051..1092, 1140..1181, 1220..1246, 2344..2463, 2351..2464, 2548..2673, 2558..2617, 2680..2733 | | |

| | | | |
|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 4094 | End | 4714 |
| GI | none | Score | 111 |
| Exons | 4094..4144, 4107..4310, 4130..4159, 4176..4265, 4178..4303, 4307..4459, 4308..4460, 4469..4714, 4470..4709 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 4178 | End | 4717 |
| GI | none | Score | 86 |
| Exons | 4178..4261, 4308..4460, 4319..4459, 4460..4717, 4470..4661 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 4178 | End | 4715 |
| GI | none | Score | 107 |
| Exons | 4178..4285, 4287..4460, 4307..4459, 4469..4714, 4473..4715 | | |

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|---|---|---|---|
| Seq. No. | 7414 | Seq. ID | OJ990331_01.9922.C7 |
| Gene No. | 15654 | Strand | - |
| Start | 5850 | End | 6261 |
| Name | OJ990331_01.9922.C7.o3.gp | Method | AAT/GAP |
| Start | 5850 | End | 6261 |
| GI | none | Score | 746 |
| Exons | 5850..6261 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15655 | Strand | + |
| Start | 1 | End | 1957 |
| Name | OJ990331_01.9922.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1954 |
| GI | 5902445 | Score | 2848 |
| Exons | 1..1954 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |

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|---|---|---|---|
| Gene No. | 15655 | Strand | + |
| Start | 1 | End | 1957 |
| Name | OJ990331_01.9922.C9.o1.gs | Method | GENSCAN |
| Start | 206 | End | 1957 |
| GI | none | Score | .74 |
| Exons | 206..1957 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o3.tw | Method | TBLASTX:Wheat |
| Start | 185 | End | 592 |
| GI | none | Score | 308 |
| Exons | 185..592, 227..370, 229..510 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 823 | End | 1186 |
| GI | none | Score | 431 |
| Exons | 823..1146, 824..1147, 1139..1186 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 830 | End | 1216 |
| GI | none | Score | 407 |
| Exons | 830..1216, 874..1140, 1025..1216 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 1288 | End | 1561 |
| GI | none | Score | 99 |
| Exons | 1288..1395, 1289..1387, 1378..1452, 1382..1465, 1475..1561 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 1331 | End | 1945 |
| GI | none | Score | 366 |
| Exons | 1331..1789, 1351..1440, 1492..1620, 1820..1945 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 1643 | End | 1906 |
| GI | none | Score | 164 |
| Exons | 1643..1825, 1699..1824, 1804..1905, 1805..1906 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |

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|---|---|---|---|
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o2.gs | Method | GENSCAN |
| Start | 2287 | End | 5125 |
| GI | none | Score | .91 |
| Exons | 2287..2570, 2603..2737, 2987..3176, 3251..3450, 3517..3651, 3739..3875, 3952..4244, 4331..5125 | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o2.np | Method | AAT/NAP |
| Start | 2290 | End | 5299 |
| GI | 6691716 | Score | 2247 |
| Exons | 2290..2737, 2811..2924, 3074..3176, 3251..3438, 3517..3692, 3769..3875, 3952..4134, 4339..5125, 5212..5299 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7415 | Seq. ID | OJ990331_01.9922.C9 |
| Gene No. | 15656 | Strand | - |
| Start | 2287 | End | 5299 |
| Name | OJ990331_01.9922.C9.o4.tw | Method | TBLASTX:Wheat |
| Start | 4805 | End | 5095 |
| GI | none | Score | 52 |
| Exons | 4805..5095, 4842..4919 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15657 | Strand | + |
| Start | 4730 | End | 5140 |
| Name | OJ990331_01.9922.C10.o1.gp | Method | AAT/GAP |
| Start | 4730 | End | 5140 |
| GI | 5816562 | Score | 696 |
| Exons | 4730..5140 | | |
| GI Descrip. | 6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15658 | Strand | + |
| Start | 16329 | End | 19052 |
| Name | OJ990331_01.9922.C10.o5.np | Method | AAT/NAP |
| Start | 16329 | End | 19052 |
| GI | 3928760 | Score | 363 |
| Exons | 16329..16406, 17041..17221, 17342..17547, 17823..18018, 18887..19052 | | |
| GI Descrip. | (AB011797) homolog to plastid-lipid-associated protein [Citrus unshiu] | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15658 | Strand | + |
| Start | 16329 | End | 19052 |
| Name | OJ990331_01.9922.C10.o5.gp | Method | AAT/GAP |
| Start | 17886 | End | 19052 |
| GI | 12003_1.R1084 | Score | 545 |
| Exons | 17886..18018, 18887..19052 | | |
| GI Descrip. | '4105180 8.0e-42 (AF043905) plastoglobule associated protein PG1 precursor [Pisum sativum]' | | |

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| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1663 |
| GI | 6907086 | Score | 1076 |
| Exons | 1..203, 318..427, 653..838, 898..1663 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o1.gs | Method | GENSCAN |
| Start | 915 | End | 13264 |
| GI | none | Score | .65 |
| Exons | 915..1393, 1450..1496, 2391..2783, 3199..3311, 3572..3726, 7676..8153, 9027..9122, 9224..9492, 9643..9817, 9889..10104, 10205..10312, 10406..10930, 11017..11205, 11310..11427, 11564..11823, 11907..12084, 12240..12309, 12382..12537, 12701..12897, 13089..13264 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o2.np | Method | AAT/NAP |
| Start | 2367 | End | 5755 |
| GI | 4680186 | Score | 223 |
| Exons | 2367..2787, 3291..3354, 5717..5755 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o3.np | Method | AAT/NAP |
| Start | 3571 | End | 3687 |
| GI | 5902448 | Score | 139 |
| Exons | 3571..3687 | | |
| GI Descrip. | (AB030283) orf3 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o2.gp | Method | AAT/GAP |
| Start | 7345 | End | 8074 |
| GI | 3763735 | Score | 1375 |
| Exons | 7345..8074 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 7662 | End | 8164 |
| GI | none | Score | 178 |
| Exons | 7662..7838, 7666..7827, 7699..7839, 7701..7835, 7957..8019, 7981..8154, 7992..8159, 8081..8164 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o4.np | Method | AAT/NAP |
| Start | 7683 | End | 13064 |
| GI | 2245130 | Score | 917 |
| Exons | 7683..7828, 7931..8153, 9224..9504, 9631..9817, 9889..10032, 10205..10312, 10406..10669, 10913..11052, 11089..11205, 11310..11427, 11558..11693, 12888..13064 | | |
| GI Descrip. | (Z97344) GLABRA2 like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 7713 | End | 11427 |
| GI | none | Score | 66 |
| Exons | 7713..7829, 7992..8147, 9027..9107, 9028..9120, 9224..9391, 9240..9335, 9284..9496, 9648..9794, 9656..9784, 9791..9820, 9795..9818, 9886..9975, 9997..10020, 10021..10104, 10409..10480, 10544..10669, 11009..11206, 11014..11211, 11310..11426, 11310..11423, 11311..11427 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o3.gp | Method | AAT/GAP |
| Start | 7906 | End | 9387 |
| GI | 4968815 | Score | 635 |
| Exons | 7906..8153, 9027..9122, 9224..9387 | | |
| GI Descrip. | 4325343/gb\|AAD17342\| 4.0e-19 (AF128393) contains similarity to homeobox domains (Pfam: PF00046, Score,36.5, E=6.9e-08, N=1) [Arabidopsis thaliana] | | |

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| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o4.tm | Method | TBLASTX:Maize |
| Start | 9033 | End | 10105 |
| GI | none | Score | 83 |
| Exons | 9033..9107, 9224..9334, 9383..9484, 9672..9794, 9677..9784, 9886..9960, 9887..9946, 9982..10020, 10021..10104, 10022..10105 | | |

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|---|---|---|---|
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 9251 | End | 9472 |
| GI | none | Score | 153 |
| Exons | 9251..9472, 9279..9467 | | |

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| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o3.ts | Method | TBLASTX:Soybean |
| Start | 9656 | End | 10669 |
| GI | none | Score | 58 |

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|---|---|---|---|
| Exons | 9656..9784, 9791..9820, 9886..9975, 9887..9988, 9997..10020, 10021..10104, 10022..10105, 10409..10480, 10580..10669 | | |
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o3.tm | Method | TBLASTX:Maize |
| Start | 11014 | End | 11384 |
| GI | none | Score | 69 |
| Exons | 11014..11211, 11093..11203, 11310..11384 | | |
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 11032 | End | 11426 |
| GI | none | Score | 65 |
| Exons | 11032..11211, 11093..11200, 11305..11424, 11310..11423, 11310..11426, 11311..11424 | | |
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15659 | Strand | - |
| Start | 1 | End | 13264 |
| Name | OJ990331_01.9922.C10.o4.gp | Method | AAT/GAP |
| Start | 11602 | End | 12141 |
| GI | none | Score | 838 |
| Exons | 11602..11823, 11907..12141 | | |
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15660 | Strand | |
| Start | 17379 | End | 19052 |
| Name | OJ990331_01.9922.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 17379 | End | 19052 |
| GI | none | Score | 66 |
| Exons | 17379..17426, 17381..17548, 17381..17431, 17386..17547, 17533..17562, 17814..18020, 17823..18020, 17824..18024, 17824..18024, 18880..19047, 18881..19045, 18882..19052 | | |
| Seq. No. | 7416 | Seq. ID | OJ990331_01.9922.C10 |
| Gene No. | 15660 | Strand | |
| Start | 17379 | End | 19052 |
| Name | OJ990331_01.9922.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 17931 | End | 19052 |
| GI | none | Score | 215 |
| Exons | 17931..18020, 18880..19050, 18881..19051, 18882..19052 | | |
| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 9684 |
| GI | 3152582 | Score | 2038 |
| Exons | 1..40, 1151..1778, 3122..3334, 4036..4250, 4449..4539, 4774..4848, 5195..5365, 5433..5618, 5729..5935, 5996..6216, 6348..6409, 6521..6711, 7424..7870, 8580..8888, 9182..9344, 9461..9684 | | |
| GI Descrip. | (AC002986) YUP8H12R.20 [Arabidopsis thaliana] | | |

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| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o1.gs | Method | GENSCAN |
| Start | 1143 | End | 11945 |
| GI | none | Score | .7 |
| Exons | 1143..1805, 3122..3334, 4396..4539, 4774..4848, 5195..5353, 5439..5618, 5729..6216, 6348..6711, 6784..6916, 6996..7126, 7220..7327, 7424..7870, 8398..8487, 8580..8888, 9182..9293, 9542..9702, 9725..9934, 10512..10599, 11852..11945 | | |

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|---|---|---|---|
| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 1592 | End | 4850 |
| GI | none | Score | 58 |
| Exons | 1592..1633, 1593..1634, 1593..1649, 1650..1778, 1651..1779, 3104..3340, 3122..3337, 3123..3341, 3124..3342, 3124..3348, 4036..4230, 4036..4233, 4037..4234, 4762..4848, 4773..4850, 4775..4837 | | |

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| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 5723 | End | 6157 |
| GI | none | Score | 47 |
| Exons | 5723..5779, 5804..5908, 5805..5909, 5990..6157, 6003..6128 | | |

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|---|---|---|---|
| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 6332 | End | 6622 |
| GI | none | Score | 74 |
| Exons | 6332..6406, 6346..6426, 6347..6406, 6424..6621, 6424..6621, 6425..6622 | | |

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|---|---|---|---|
| Seq. No. | 7417 | Seq. ID | OJ990331_01.9922.C11 |
| Gene No. | 15661 | Strand | - |
| Start | 1 | End | 11945 |
| Name | OJ990331_01.9922.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 6779 | End | 7089 |
| GI | none | Score | 112 |
| Exons | 6779..6931, 6781..6930, 6989..7087, 6989..7087, 6994..7089 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15662 | Strand | + |
| Start | 131 | End | 5679 |
| Name | OJ990331_01.9922.C12.o1.gs | Method | GENSCAN |
| Start | 131 | End | 4225 |
| GI | none | Score | .45 |
| Exons | 131..315, 764..814, 1004..1035, 3477..3613, 3737..4095, 4194..4225 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15662 | Strand | + |
| Start | 131 | End | 5679 |
| Name | OJ990331_01.9922.C12.o2.gp | Method | AAT/GAP |
| Start | 3746 | End | 5679 |
| GI | none | Score | 1216 |
| Exons | 3746..4095, 4194..4258, 5452..5679 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15663 | Strand | - |
| Start | 2691 | End | 3605 |
| Name | OJ990331_01.9922.C12.o1.gp | Method | AAT/GAP |
| Start | 2691 | End | 3605 |
| GI | none | Score | 1171 |
| Exons | 2691..3078, 3253..3363, 3451..3605 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15664 | Strand | |
| Start | 3804 | End | 4268 |
| Name | OJ990331_01.9922.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 3804 | End | 4073 |
| GI | none | Score | 396 |
| Exons | 3804..4073, 3806..4072 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15664 | Strand | |
| Start | 3804 | End | 4268 |
| Name | OJ990331_01.9922.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 3807 | End | 4268 |
| GI | none | Score | 441 |
| Exons | 3807..4106, 3887..4102, 4193..4234, 4212..4268, 4235..4261 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15664 | Strand | |
| Start | 3804 | End | 4268 |
| Name | OJ990331_01.9922.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 3848 | End | 4102 |
| GI | none | Score | 77 |
| Exons | 3848..3931, 3870..4100, 3887..4102 | | |

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|---|---|---|---|
| Seq. No. | 7418 | Seq. ID | OJ990331_01.9922.C12 |
| Gene No. | 15664 | Strand | |
| Start | 3804 | End | 4268 |
| Name | OJ990331_01.9922.C12.o1.tc | Method | TBLASTX:Cress |
| Start | 3867 | End | 4102 |
| GI | none | Score | 353 |
| Exons | 3867..4100, 3887..4102 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15665 | Strand | + |
| Start | 12762 | End | 14422 |
| Name | OJ990331_01.9922.C13.o6.gs | Method | GENSCAN |
| Start | 12762 | End | 14422 |
| GI | none | Score | .89 |
| Exons | 12762..12837, 12887..13206, 13334..13477, 13869..13976, 14026..14202, 14240..14422 | | |

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| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15666 | Strand | - |
| Start | 2285 | End | 3442 |
| Name | OJ990331_01.9922.C13.o1.gs | Method | GENSCAN |
| Start | 2285 | End | 3313 |
| GI | none | Score | 1 |
| Exons | 2285..3313 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15666 | Strand | - |
| Start | 2285 | End | 3442 |
| Name | OJ990331_01.9922.C13.o1.np | Method | AAT/NAP |
| Start | 2327 | End | 3292 |
| GI | 3660465 | Score | 916 |
| Exons | 2327..3292 | | |
| GI Descrip. | (AJ001753) Inositol 1,3,4-Trisphosphate 5/6 kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15666 | Strand | - |
| Start | 2285 | End | 3442 |
| Name | OJ990331_01.9922.C13.o1.gp | Method | AAT/GAP |
| Start | 2892 | End | 3442 |
| GI | 42616_1.R1084 | Score | 947 |
| Exons | 2892..3442 | | |
| GI Descrip. | '4521194/dbj\|AB013613.1\|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11' | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15667 | Strand | - |
| Start | 5916 | End | 6340 |
| Name | OJ990331_01.9922.C13.o2.gs | Method | GENSCAN |
| Start | 5916 | End | 6340 |
| GI | none | Score | .64 |
| Exons | 5916..6223, 6283..6340 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 2339 | End | 3376 |
| GI | none | Score | 101 |
| Exons | 2339..2578, 2346..2540, 2657..2941, 2658..2948, 2966..3028, 3074..3376, 3114..3239 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 2339 | End | 3280 |
| GI | none | Score | 95 |
| Exons | 2339..2596, 2348..2449, 2352..2540, 2633..2947, 2634..2948, 2972..3241, 3224..3280 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |

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|---|---|---|---|
| Name | OJ990331_01.9922.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 2358 | End | 3271 |
| GI | none | Score | 84 |
| Exons | 2358..2474, 2360..2548, 2660..2926, 2667..2870, 3074..3271 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 7083 | End | 7472 |
| GI | none | Score | 155 |
| Exons | 7083..7112, 7144..7353, 7144..7248, 7155..7349, 7410..7472 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 7191 | End | 7814 |
| GI | none | Score | 202 |
| Exons | 7191..7361, 7452..7814 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o2.np | Method | AAT/NAP |
| Start | 7305 | End | 11984 |
| GI | 6815097 | Score | 3523 |
| Exons | 7305..8076, 8216..9885, 10000..10564, 11061..11984 | | |
| GI Descrip. | (AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 7473 | End | 7797 |
| GI | none | Score | 245 |
| Exons | 7473..7796, 7474..7797 | | |

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| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 8244 | End | 8643 |
| GI | 5509260 | Score | 64 |
| Exons | 8244..8318, 8398..8643, 8494..8613 | | |
| GI Descrip. | - | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o4.gs | Method | GENSCAN |
| Start | 8692 | End | 10657 |
| GI | none | Score | .8 |
| Exons | 8692..9980, 10153..10657 | | |

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|---|---|---|---|
| Seq. No. | 7419 | Seq. ID | OJ990331_01.9922.C13 |

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|---|---|---|---|
| Gene No. | 15668 | Strand | - |
| Start | 7305 | End | 12059 |
| Name | OJ990331_01.9922.C13.o5.gs | Method | GENSCAN |
| Start | 10950 | End | 12059 |
| GI | none | Score | .54 |
| Exons | 10950..11429, 11472..12059 | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1045 |
| GI | 6721543 | Score | 172 |
| Exons | 1..114, 929..1045 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o1.gp | Method | AAT/GAP |
| Start | 2 | End | 164 |
| GI | 7406_1.R1084 | Score | 201 |
| Exons | 2..164 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o1.gs | Method | GENSCAN |
| Start | 605 | End | 6651 |
| GI | none | Score | .51 |
| Exons | 605..1160, 1219..1527, 1710..3233, 3609..3759, 3865..4201, 4286..4696, 4789..4809, 4876..5087, 5164..5422, 5515..5697, 5763..5800, 5891..6022, 6086..6133, 6138..6340, 6491..6651 | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o2.np | Method | AAT/NAP |
| Start | 1058 | End | 6372 |
| GI | 5441880 | Score | 4643 |
| Exons | 1058..2063, 2508..2539, 2798..3113, 3609..3759, 3865..4201, 4789..5087, 5164..5422, 5667..5740, 5777..5800, 5891..6022, 6138..6372 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o2.gp | Method | AAT/GAP |
| Start | 1662 | End | 2093 |
| GI | 5701669 | Score | 841 |
| Exons | 1662..2093 | | |
| GI Descrip. | 5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) | | |

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o3.gp | Method | AAT/GAP |
| Start | 4915 | End | 5414 |
| GI | LIB3475-007-P1-K1-G8 | Score | 793 |
| Exons | 4915..5087, 5164..5414 | | |
| GI Descrip. | '5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15669 | Strand | + |
| Start | 1 | End | 6929 |
| Name | OJ990331_01.9922.C14.o4.gp | Method | AAT/GAP |
| Start | 6476 | End | 6929 |
| GI | LIB3431-045-P1-N1-A10 | Score | 876 |
| Exons | 6476..6929 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)' | | |

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| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15670 | Strand | - |
| Start | 6076 | End | 7290 |
| Name | OJ990331_01.9922.C14.o3.np | Method | AAT/NAP |
| Start | 6076 | End | 7290 |
| GI | 6721543 | Score | 95 |
| Exons | 6076..6116, 6435..6510, 7162..7290 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15670 | Strand | - |
| Start | 6076 | End | 7290 |
| Name | OJ990331_01.9922.C14.o5.gp | Method | AAT/GAP |
| Start | 6872 | End | 7276 |
| GI | 7406_1.R1084 | Score | 651 |
| Exons | 6872..7276 | | |
| GI Descrip. | '1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]' | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 1624 | End | 2215 |
| GI | none | Score | 272 |
| Exons | 1624..1725, 1781..2080, 1798..2019, 2144..2215 | | |

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|---|---|---|---|
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 1913 | End | 2293 |
| GI | none | Score | 208 |

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|---|---|---|---|
| Exons | 1913..2107, 1922..2119, 2113..2232, 2117..2293, 2117..2263 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o7.gp | Method | AAT/GAP |
| Start | 7823 | End | 8203 |
| GI | 427413 | Score | 746 |
| Exons | 7823..8203 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o4.np | Method | AAT/NAP |
| Start | 8122 | End | 8668 |
| GI | 2894603 | Score | 307 |
| Exons | 8122..8235, 8338..8668 | | |
| GI Descrip. | (AL021889) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o2.gs | Method | GENSCAN |
| Start | 8130 | End | 9096 |
| GI | none | Score | .95 |
| Exons | 8130..8235, 8338..8845, 8895..9096 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 8202 | End | 8588 |
| GI | none | Score | 104 |
| Exons | 8202..8231, 8340..8579, 8388..8588 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 8202 | End | 8588 |
| GI | none | Score | 254 |
| Exons | 8202..8237, 8340..8588, 8388..8588 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 8202 | End | 8588 |
| GI | none | Score | 62 |
| Exons | 8202..8234, 8334..8585, 8388..8588, 8481..8558 | | |
| Seq. No. | 7420 | Seq. ID | OJ990331_01.9922.C14 |
| Gene No. | 15671 | Strand | - |
| Start | 8130 | End | 9096 |
| Name | OJ990331_01.9922.C14.o8.gp | Method | AAT/GAP |
| Start | 8632 | End | 8933 |
| GI | uC-osf1M202051e03b1 | Score | 528 |

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|---|---|---|---|
| Exons | 8632..8933 | | |
| GI Descrip. | '4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]' | | |
| Seq. No. | 7421 | Seq. ID | OJ990331_01.9922.C16 |
| Gene No. | 15672 | Strand | - |
| Start | 96 | End | 1006 |
| Name | OJ990331_01.9922.C16.o1.gs | Method | GENSCAN |
| Start | 96 | End | 1006 |
| GI | none | Score | .68 |
| Exons | 96..202, 247..301, 942..1006 | | |
| Seq. No. | 7422 | Seq. ID | OJ990331_01.9922.C17 |
| Gene No. | 15673 | Strand | - |
| Start | 88 | End | 310 |
| Name | OJ990331_01.9922.C17.o1.gs | Method | GENSCAN |
| Start | 88 | End | 310 |
| GI | none | Score | .47 |
| Exons | 88..310 | | |
| Seq. No. | 7423 | Seq. ID | OJ990421_04.9919.C1 |
| Gene No. | 15674 | Strand | - |
| Start | 1 | End | 1311 |
| Name | OJ990421_04.9919.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1104 |
| GI | 6721561 | Score | 1021 |
| Exons | 1..654, 720..778, 849..1104 | | |
| GI Descrip. | (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7423 | Seq. ID | OJ990421_04.9919.C1 |
| Gene No. | 15674 | Strand | - |
| Start | 1 | End | 1311 |
| Name | OJ990421_04.9919.C1.o2.np | Method | AAT/NAP |
| Start | 8 | End | 1311 |
| GI | 6721558 | Score | 130 |
| Exons | 8..124, 381..464, 1098..1311 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 605 |
| GI | 5902445 | Score | 715 |
| Exons | 1..605 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o2.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 1 | End | 203 |
| GI | none | Score | 45 |
| Exons | 1..105, 2..64, 6..197, 6..203 | | |

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|---|---|---|---|
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o1.gs | Method | GENSCAN |
| Start | 126 | End | 416 |
| GI | none | Score | .76 |
| Exons | 126..416 | | |

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|---|---|---|---|
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 174 | End | 530 |
| GI | none | Score | 227 |
| Exons | 174..530, 175..468, 225..476 | | |

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|---|---|---|---|
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 204 | End | 660 |
| GI | none | Score | 389 |
| Exons | 204..659, 205..660, 330..416 | | |

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|---|---|---|---|
| Seq. No. | 7424 | Seq. ID | OJ990421_04.9919.C4 |
| Gene No. | 15675 | Strand | - |
| Start | 1 | End | 660 |
| Name | OJ990421_04.9919.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 255 | End | 620 |
| GI | none | Score | 99 |
| Exons | 255..389, 396..620 | | |

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|---|---|---|---|
| Seq. No. | 7425 | Seq. ID | OJ990421_04.9919.C5 |
| Gene No. | 15676 | Strand | + |
| Start | 72 | End | 1004 |
| Name | OJ990421_04.9919.C5.o1.gs | Method | GENSCAN |
| Start | 72 | End | 1004 |
| GI | none | Score | .88 |
| Exons | 72..146, 162..752, 858..1004 | | |

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|---|---|---|---|
| Seq. No. | 7425 | Seq. ID | OJ990421_04.9919.C5 |
| Gene No. | 15677 | Strand | - |
| Start | 1 | End | 1085 |
| Name | OJ990421_04.9919.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1085 |
| GI | 5042454 | Score | 234 |
| Exons | 1..302, 552..667, 970..1085 | | |
| GI Descrip. | (AC007789) putative polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7426 | Seq. ID | OJ990421_04.9919.C6 |
| Gene No. | 15678 | Strand | + |
| Start | 1 | End | 977 |
| Name | OJ990421_04.9919.C6.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1 | End | 977 |
| GI | 6721512 | Score | 123 |
| Exons | 1..255, 283..412, 454..572, 895..977 | | |
| GI Descrip. | (AP001072) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7427 | Seq. ID | OJ990421_04.9919.C7 |
| Gene No. | 15679 | Strand | - |
| Start | 43 | End | 546 |
| Name | OJ990421_04.9919.C7.o1.gs | Method | GENSCAN |
| Start | 43 | End | 546 |
| GI | none | Score | .43 |
| Exons | 43..223, 464..546 | | |

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|---|---|---|---|
| Seq. No. | 7428 | Seq. ID | OJ990421_04.9919.C10 |
| Gene No. | 15680 | Strand | + |
| Start | 202 | End | 470 |
| Name | OJ990421_04.9919.C10.o1.gs | Method | GENSCAN |
| Start | 202 | End | 470 |
| GI | none | Score | .41 |
| Exons | 202..276, 378..470 | | |

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|---|---|---|---|
| Seq. No. | 7429 | Seq. ID | OJ990421_04.9919.C13 |
| Gene No. | 15681 | Strand | + |
| Start | 58 | End | 1443 |
| Name | OJ990421_04.9919.C13.o1.gp | Method | AAT/GAP |
| Start | 58 | End | 379 |
| GI | 2312652 | Score | 511 |
| Exons | 58..379 | | |
| GI Descrip. | 4521194/dbj\|AB013613.1\|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11 | | |

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|---|---|---|---|
| Seq. No. | 7429 | Seq. ID | OJ990421_04.9919.C13 |
| Gene No. | 15681 | Strand | + |
| Start | 58 | End | 1443 |
| Name | OJ990421_04.9919.C13.o1.gs | Method | GENSCAN |
| Start | 188 | End | 1443 |
| GI | none | Score | .71 |
| Exons | 188..302, 931..1006, 1362..1443 | | |

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|---|---|---|---|
| Seq. No. | 7430 | Seq. ID | OJ990421_04.9919.C14 |
| Gene No. | 15682 | Strand | + |
| Start | 287 | End | 339 |
| Name | OJ990421_04.9919.C14.o1.gs | Method | GENSCAN |
| Start | 287 | End | 339 |
| GI | none | Score | .51 |
| Exons | 287..339 | | |

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|---|---|---|---|
| Seq. No. | 7431 | Seq. ID | OJ990421_04.9919.C15 |
| Gene No. | 15683 | Strand | + |
| Start | 1 | End | 434 |
| Name | OJ990421_04.9919.C15.o1.np | Method | AAT/NAP |
| Start | 1 | End | 434 |
| GI | 6815099 | Score | 87 |
| Exons | 1..37, 296..434 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7432 | Seq. ID | OJ990421_04.9919.C16 |

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|---|---|---|---|
| Gene No. | 15684 | Strand | + |
| Start | 1 | End | 781 |
| Name | OJ990421_04.9919.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 235 |
| GI | 6478216 | Score | 180 |
| Exons | 1..235 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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|---|---|---|---|
| Seq. No. | 7432 | Seq. ID | OJ990421_04.9919.C16 |
| Gene No. | 15684 | Strand | + |
| Start | 1 | End | 781 |
| Name | OJ990421_04.9919.C16.o2.np | Method | AAT/NAP |
| Start | 1 | End | 781 |
| GI | 122779 | Score | 191 |
| Exons | 1..65, 578..781 | | |
| GI Descrip. | POTENTIAL HEME-BINDING PROTEIN (ORF 230) gi\|82542\|pir\|\|S05118 hypothetical protein 230 - rice chloroplast gi\|11999\|emb\|CAA33960\| (X15901) ORF230 [Oryza sativa] gi\|226620\|prf\|\|1603356AT ORF 230 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7432 | Seq. ID | OJ990421_04.9919.C16 |
| Gene No. | 15684 | Strand | + |
| Start | 1 | End | 781 |
| Name | OJ990421_04.9919.C16.o1.gp | Method | AAT/GAP |
| Start | 50 | End | 434 |
| GI | 72092_1.R1084 | Score | 713 |
| Exons | 50..434 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 1.0e-30 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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|---|---|---|---|
| Seq. No. | 7432 | Seq. ID | OJ990421_04.9919.C16 |
| Gene No. | 15684 | Strand | + |
| Start | 1 | End | 781 |
| Name | OJ990421_04.9919.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 50 | End | 260 |
| GI | none | Score | 215 |
| Exons | 50..238, 56..232, 57..260 | | |

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|---|---|---|---|
| Seq. No. | 7432 | Seq. ID | OJ990421_04.9919.C16 |
| Gene No. | 15684 | Strand | + |
| Start | 1 | End | 781 |
| Name | OJ990421_04.9919.C16.o1.ts | Method | TBLASTX:Soybean |
| Start | 53 | End | 265 |
| GI | none | Score | 203 |
| Exons | 53..265 | | |

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|---|---|---|---|
| Seq. No. | 7433 | Seq. ID | OJ990421_04.9919.C17 |
| Gene No. | 15685 | Strand | + |
| Start | 1 | End | 545 |
| Name | OJ990421_04.9919.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 324 |
| GI | 6478216 | Score | 218 |
| Exons | 1..22, 89..324 | | |
| GI Descrip. | (AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum] | | |

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|---|---|---|---|
| Seq. No. | 7433 | Seq. ID | OJ990421_04.9919.C17 |
| Gene No. | 15685 | Strand | + |
| Start | 1 | End | 545 |
| Name | OJ990421_04.9919.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 96 | End | 318 |
| GI | none | Score | 100 |
| Exons | 96..314, 100..318, 100..315 | | |

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|---|---|---|---|
| Seq. No. | 7433 | Seq. ID | OJ990421_04.9919.C17 |
| Gene No. | 15685 | Strand | + |
| Start | 1 | End | 545 |
| Name | OJ990421_04.9919.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 100 | End | 316 |
| GI | none | Score | 257 |
| Exons | 100..315, 102..173, 281..316 | | |

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|---|---|---|---|
| Seq. No. | 7433 | Seq. ID | OJ990421_04.9919.C17 |
| Gene No. | 15685 | Strand | + |
| Start | 1 | End | 545 |
| Name | OJ990421_04.9919.C17.o1.gp | Method | AAT/GAP |
| Start | 103 | End | 545 |
| GI | uC-osroM202038c10a1 | Score | 865 |
| Exons | 103..545 | | |
| GI Descrip. | '2792155/emb\|CAA11226\| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]' | | |

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|---|---|---|---|
| Seq. No. | 7433 | Seq. ID | OJ990421_04.9919.C17 |
| Gene No. | 15685 | Strand | + |
| Start | 1 | End | 545 |
| Name | OJ990421_04.9919.C17.o1.gs | Method | GENSCAN |
| Start | 103 | End | 324 |
| GI | none | Score | .59 |
| Exons | 103..324 | | |

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|---|---|---|---|
| Seq. No. | 7434 | Seq. ID | OJ990421_04.9919.C18 |
| Gene No. | 15686 | Strand | + |
| Start | 1 | End | 431 |
| Name | OJ990421_04.9919.C18.o1.np | Method | AAT/NAP |
| Start | 1 | End | 431 |
| GI | 5777623 | Score | 290 |
| Exons | 1..46, 205..431 | | |
| GI Descrip. | (AJ245900) CAA303711.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7435 | Seq. ID | OJ990421_04.9919.C23 |
| Gene No. | 15687 | Strand | - |
| Start | 1 | End | 328 |
| Name | OJ990421_04.9919.C23.o1.np | Method | AAT/NAP |
| Start | 1 | End | 328 |
| GI | 4406778 | Score | 355 |
| Exons | 1..328 | | |
| GI Descrip. | (AC006532) putative receptor protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7435 | Seq. ID | OJ990421_04.9919.C23 |
| Gene No. | 15687 | Strand | - |
| Start | 1 | End | 328 |
| Name | OJ990421_04.9919.C23.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 3 | End | 317 |
| GI | none | Score | 85 |
| Exons | 3..149, 6..188, 7..234, 15..317 | | |

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|---|---|---|---|
| Seq. No. | 7435 | Seq. ID | OJ990421_04.9919.C23 |
| Gene No. | 15687 | Strand | - |
| Start | 1 | End | 328 |
| Name | OJ990421_04.9919.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 3 | End | 320 |
| GI | none | Score | 54 |
| Exons | 3..320, 6..317, 6..278, 6..317, 7..165, 27..317, 79..165 | | |

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|---|---|---|---|
| Seq. No. | 7435 | Seq. ID | OJ990421_04.9919.C23 |
| Gene No. | 15687 | Strand | - |
| Start | 1 | End | 328 |
| Name | OJ990421_04.9919.C23.o1.ts | Method | TBLASTX:Soybean |
| Start | 6 | End | 317 |
| GI | none | Score | 108 |
| Exons | 6..209, 6..209, 7..210, 69..278, 129..317, 168..317 | | |

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|---|---|---|---|
| Seq. No. | 7435 | Seq. ID | OJ990421_04.9919.C23 |
| Gene No. | 15687 | Strand | - |
| Start | 1 | End | 328 |
| Name | OJ990421_04.9919.C23.o1.gs | Method | GENSCAN |
| Start | 46 | End | 326 |
| GI | none | Score | .99 |
| Exons | 46..326 | | |

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|---|---|---|---|
| Seq. No. | 7436 | Seq. ID | OJ990421_04.9919.C28 |
| Gene No. | 15688 | Strand | - |
| Start | 1 | End | 559 |
| Name | OJ990421_04.9919.C28.o1.np | Method | AAT/NAP |
| Start | 1 | End | 559 |
| GI | 6498441 | Score | 354 |
| Exons | 1..559 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |

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| Seq. No. | 7436 | Seq. ID | OJ990421_04.9919.C28 |
| Gene No. | 15688 | Strand | - |
| Start | 1 | End | 559 |
| Name | OJ990421_04.9919.C28.o1.tw | Method | TBLASTX:Wheat |
| Start | 111 | End | 479 |
| GI | none | Score | 79 |
| Exons | 111..479, 178..432 | | |

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|---|---|---|---|
| Seq. No. | 7436 | Seq. ID | OJ990421_04.9919.C28 |
| Gene No. | 15688 | Strand | - |
| Start | 1 | End | 559 |
| Name | OJ990421_04.9919.C28.o1.gs | Method | GENSCAN |
| Start | 243 | End | 498 |
| GI | none | Score | .95 |
| Exons | 243..498 | | |

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|---|---|---|---|
| Seq. No. | 7437 | Seq. ID | OJ990421_04.9919.C29 |
| Gene No. | 15689 | Strand | + |

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|---|---|---|---|
| Start | 185 | End | 489 |
| Name | OJ990421_04.9919.C29.o1.gp | Method | AAT/GAP |
| Start | 185 | End | 489 |
| GI | LIB3432-016-P1-K1-B4 | Score | 466 |
| Exons | 185..489 | | |
| GI Descrip. | '671740/emb\|CAA59218\| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]' | | |

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|---|---|---|---|
| Seq. No. | 7438 | Seq. ID | OJ990421_04.9919.C30 |
| Gene No. | 15690 | Strand | - |
| Start | 399 | End | 474 |
| Name | OJ990421_04.9919.C30.o1.gs | Method | GENSCAN |
| Start | 399 | End | 474 |
| GI | none | Score | .63 |
| Exons | 399..474 | | |

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|---|---|---|---|
| Seq. No. | 7439 | Seq. ID | OJ990421_04.9919.C32 |
| Gene No. | 15691 | Strand | + |
| Start | 1 | End | 750 |
| Name | OJ990421_04.9919.C32.o1.np | Method | AAT/NAP |
| Start | 1 | End | 750 |
| GI | 6815099 | Score | 83 |
| Exons | 1..114, 635..750 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7440 | Seq. ID | OJ990421_04.9919.C37 |
| Gene No. | 15692 | Strand | - |
| Start | 1 | End | 319 |
| Name | OJ990421_04.9919.C37.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 319 |
| GI | none | Score | 431 |
| Exons | 1..319 | | |

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|---|---|---|---|
| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15693 | Strand | + |
| Start | 1 | End | 1209 |
| Name | OJ990421_04.9919.C38.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1209 |
| GI | 2443320 | Score | 1672 |
| Exons | 1..1209 | | |
| GI Descrip. | (D85597) polyprotein [Oryza australiensis] | | |

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|---|---|---|---|
| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o1.tw | Method | TBLASTX:Wheat |
| Start | 6 | End | 612 |
| GI | none | Score | 70 |
| Exons | 6..149, 6..158, 7..162, 7..162, 132..596, 148..612 | | |

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|---|---|---|---|
| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o2.tm | Method | TBLASTX:Maize |
| Start | 7 | End | 351 |
| GI | none | Score | 199 |
| Exons | 7..351 | | |

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|---|---|---|---|
| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o1.tm | Method | TBLASTX:Maize |
| Start | 406 | End | 705 |
| GI | none | Score | 238 |
| Exons | 406..705, 495..674 | | |

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|---|---|---|---|
| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o1.ts | Method | TBLASTX:Soybean |
| Start | 583 | End | 1167 |
| GI | none | Score | 183 |
| Exons | 583..945, 982..1167 | | |

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| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o2.tw | Method | TBLASTX:Wheat |
| Start | 685 | End | 1172 |
| GI | none | Score | 428 |
| Exons | 685..1167, 686..841, 690..1049, 691..1149, 1089..1172 | | |

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| Seq. No. | 7441 | Seq. ID | OJ990421_04.9919.C38 |
| Gene No. | 15694 | Strand | + |
| Start | 4437 | End | 4802 |
| Name | OJ990421_04.9919.C38.o2.np | Method | AAT/NAP |
| Start | 4437 | End | 4802 |
| GI | 4680203 | Score | 133 |
| Exons | 4437..4802 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7442 | Seq. ID | OJ990421_04.9919.C39 |
| Gene No. | 15695 | Strand | - |
| Start | 459 | End | 503 |
| Name | OJ990421_04.9919.C39.o1.gs | Method | GENSCAN |
| Start | 459 | End | 503 |
| GI | none | Score | .72 |
| Exons | 459..503 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15696 | Strand | + |
| Start | 2118 | End | 4943 |
| Name | OJ990421_04.9919.C40.o1.np | Method | AAT/NAP |
| Start | 2118 | End | 4943 |
| GI | 5803275 | Score | 323 |
| Exons | 2118..2366, 2491..2550, 4834..4943 | | |
| GI Descrip. | (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa] | | |

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| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15696 | Strand | + |
| Start | 2118 | End | 4943 |
| Name | OJ990421_04.9919.C40.o2.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 3159 | End | 4271 |
| GI | none | Score | 1 |
| Exons | 3159..4271 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o1.tm | Method | TBLASTX:Maize |
| Start | 2139 | End | 2560 |
| GI | none | Score | 43 |
| Exons | 2139..2171, 2170..2238, 2171..2239, 2193..2243, 2236..2367, 2238..2366, 2453..2560, 2494..2517 | | |

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| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o2.ts | Method | TBLASTX:Soybean |
| Start | 2158 | End | 2361 |
| GI | none | Score | 77 |
| Exons | 2158..2238, 2171..2239, 2236..2361, 2238..2357 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o2.tc | Method | TBLASTX:Cress |
| Start | 2170 | End | 2517 |
| GI | none | Score | 85 |
| Exons | 2170..2253, 2171..2251, 2236..2289, 2299..2361, 2301..2366, 2491..2517 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o2.np | Method | AAT/NAP |
| Start | 6150 | End | 8575 |
| GI | 4680207 | Score | 643 |
| Exons | 6150..6319, 6888..8575 | | |
| GI Descrip. | (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor] | | |

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| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o3.gs | Method | GENSCAN |
| Start | 6870 | End | 8225 |
| GI | none | Score | .59 |
| Exons | 6870..7982, 8063..8225 | | |

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| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o2.tw | Method | TBLASTX:Wheat |
| Start | 7638 | End | 7887 |
| GI | none | Score | 101 |
| Exons | 7638..7886, 7639..7887 | | |

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| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |

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|---|---|---|---|
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o1.ts | Method | TBLASTX:Soybean |
| Start | 7704 | End | 8571 |
| GI | none | Score | 54 |
| Exons | 7704..7871, 8117..8284, 8282..8425, 8295..8414, 8496..8567, 8497..8571 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o1.tc | Method | TBLASTX:Cress |
| Start | 8087 | End | 8574 |
| GI | none | Score | 68 |
| Exons | 8087..8257, 8279..8428, 8298..8420, 8439..8555, 8485..8574 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o1.tw | Method | TBLASTX:Wheat |
| Start | 8102 | End | 8398 |
| GI | none | Score | 59 |
| Exons | 8102..8284, 8288..8398, 8292..8381 | | |

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|---|---|---|---|
| Seq. No. | 7443 | Seq. ID | OJ990421_04.9919.C40 |
| Gene No. | 15697 | Strand | - |
| Start | 6150 | End | 8575 |
| Name | OJ990421_04.9919.C40.o2.tm | Method | TBLASTX:Maize |
| Start | 8117 | End | 8568 |
| GI | none | Score | 56 |
| Exons | 8117..8272, 8282..8425, 8291..8425, 8490..8567, 8503..8568 | | |

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|---|---|---|---|
| Seq. No. | 7444 | Seq. ID | OJ990421_04.9919.C42 |
| Gene No. | 15698 | Strand | - |
| Start | 289 | End | 413 |
| Name | OJ990421_04.9919.C42.o1.gs | Method | GENSCAN |
| Start | 289 | End | 413 |
| GI | none | Score | .86 |
| Exons | 289..413 | | |

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|---|---|---|---|
| Seq. No. | 7445 | Seq. ID | OJ990421_04.9919.C43 |
| Gene No. | 15699 | Strand | - |
| Start | 1183 | End | 4080 |
| Name | OJ990421_04.9919.C43.o1.gs | Method | GENSCAN |
| Start | 1183 | End | 4080 |
| GI | none | Score | .66 |
| Exons | 1183..1352, 1477..1623, 1897..2110, 3478..3506, 4056..4080 | | |

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|---|---|---|---|
| Seq. No. | 7446 | Seq. ID | OJ990421_04.9919.C44 |
| Gene No. | 15700 | Strand | + |
| Start | 1 | End | 3464 |
| Name | OJ990421_04.9919.C44.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3464 |
| GI | 4415925 | Score | 233 |
| Exons | 1..340, 2222..2396, 3053..3464 | | |
| GI Descrip. | (AC006282) putative glucosyl transferase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7446 | Seq. ID | OJ990421_04.9919.C44 |
| Gene No. | 15700 | Strand | + |
| Start | 1 | End | 3464 |
| Name | OJ990421_04.9919.C44.o1.gs | Method | GENSCAN |
| Start | 191 | End | 782 |
| GI | none | Score | .91 |
| Exons | 191..218, 571..782 | | |

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|---|---|---|---|
| Seq. No. | 7446 | Seq. ID | OJ990421_04.9919.C44 |
| Gene No. | 15701 | Strand | - |
| Start | 1488 | End | 3510 |
| Name | OJ990421_04.9919.C44.o1.tm | Method | TBLASTX:Maize |
| Start | 1160 | End | 1853 |
| GI | none | Score | 36 |
| Exons | 1160..1261, 1178..1279, 1314..1412, 1322..1429, 1323..1412, 1325..1429, 1326..1439, 1327..1395, 1327..1428, 1327..1395, 1327..1437, 1329..1436, 1453..1596, 1455..1610, 1456..1599, 1456..1605, 1458..1619, 1460..1651, 1461..1613, 1467..1568, 1483..1563, 1548..1640, 1548..1640, 1549..1641, 1637..1720, 1660..1728, 1674..1721, 1676..1723, 1678..1722, 1684..1728, 1728..1853, 1728..1820, 1735..1782, 1735..1851 | | |

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|---|---|---|---|
| Seq. No. | 7446 | Seq. ID | OJ990421_04.9919.C44 |
| Gene No. | 15701 | Strand | - |
| Start | 1488 | End | 3510 |
| Name | OJ990421_04.9919.C44.o2.gs | Method | GENSCAN |
| Start | 1488 | End | 3510 |
| GI | none | Score | .57 |
| Exons | 1488..1625, 2243..2420, 3098..3312, 3353..3510 | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15702 | Strand | + |
| Start | 1 | End | 3207 |
| Name | OJ990421_04.9919.C45.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3207 |
| GI | 6063554 | Score | 341 |
| Exons | 1..121, 1368..1542, 1655..1894, 2367..2394, 3032..3207 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15702 | Strand | + |
| Start | 1 | End | 3207 |
| Name | OJ990421_04.9919.C45.o1.gp | Method | AAT/GAP |
| Start | 1634 | End | 1858 |
| GI | none | Score | 395 |
| Exons | 1634..1858 | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15702 | Strand | + |
| Start | 1 | End | 3207 |
| Name | OJ990421_04.9919.C45.o2.gp | Method | AAT/GAP |
| Start | 1861 | End | 2590 |
| GI | 101153_1.R1084 | Score | 418 |
| Exons | 1861..1892, 2367..2590 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa | | |

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15703 | Strand | + |
| Start | 4788 | End | 6113 |
| Name | OJ990421_04.9919.C45.o2.gs | Method | GENSCAN |
| Start | 4788 | End | 6113 |
| GI | none | Score | 1 |
| Exons | 4788..6113 | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15704 | Strand | - |
| Start | 3577 | End | 3871 |
| Name | OJ990421_04.9919.C45.o3.gp | Method | AAT/GAP |
| Start | 3577 | End | 3871 |
| GI | 61605_3.R1084 | Score | 475 |
| Exons | 3577..3871 | | |
| GI Descrip. | '1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15705 | Strand | |
| Start | 4872 | End | 5630 |
| Name | OJ990421_04.9919.C45.o1.tm | Method | TBLASTX:Maize |
| Start | 4872 | End | 5291 |
| GI | none | Score | 131 |
| Exons | 4872..5033, 4928..5041, 5024..5119, 5049..5141, 5211..5291, 5225..5290 | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15705 | Strand | |
| Start | 4872 | End | 5630 |
| Name | OJ990421_04.9919.C45.o1.ts | Method | TBLASTX:Soybean |
| Start | 4935 | End | 5630 |
| GI | none | Score | 74 |
| Exons | 4935..5021, 5040..5120, 5211..5414, 5228..5404, 5553..5630 | | |

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|---|---|---|---|
| Seq. No. | 7447 | Seq. ID | OJ990421_04.9919.C45 |
| Gene No. | 15705 | Strand | |
| Start | 4872 | End | 5630 |
| Name | OJ990421_04.9919.C45.o1.tw | Method | TBLASTX:Wheat |
| Start | 4950 | End | 5356 |
| GI | none | Score | 77 |
| Exons | 4950..5045, 4965..5030, 5010..5111, 5025..5162, 5208..5339, 5220..5333, 5222..5356 | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15706 | Strand | + |
| Start | 12629 | End | 14054 |
| Name | OJ990421_04.9919.C46.o2.np | Method | AAT/NAP |
| Start | 12629 | End | 14054 |
| GI | 5852084 | Score | 83 |
| Exons | 12629..12660, 13971..14054 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15707 | Strand | + |

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|---|---|---|---|
| Start | 17135 | End | 17504 |
| Name | OJ990421_04.9919.C46.o1.gp | Method | AAT/GAP |
| Start | 17135 | End | 17504 |
| GI | none | Score | 509 |
| Exons | 17135..17504 | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15708 | Strand | - |
| Start | 1753 | End | 20347 |
| Name | OJ990421_04.9919.C46.o1.gs | Method | GENSCAN |
| Start | 1753 | End | 20347 |
| GI | none | Score | .52 |
| Exons | 1753..1848, 2185..2368, 2832..3290, 3373..3669, 4004..4955, 5193..5227, 5338..5478, 5882..6026, 7499..7638, 7730..8113, 14360..14495, 19306..19427, 19757..19948, 20033..20087, 20269..20347 | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15708 | Strand | - |
| Start | 1753 | End | 20347 |
| Name | OJ990421_04.9919.C46.o1.np | Method | AAT/NAP |
| Start | 2774 | End | 4329 |
| GI | 4883617 | Score | 1068 |
| Exons | 2774..3290, 3373..3669, 4004..4329 | | |
| GI Descrip. | (AC006922) putative ABC transporter [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15708 | Strand | - |
| Start | 1753 | End | 20347 |
| Name | OJ990421_04.9919.C46.o2.gp | Method | AAT/GAP |
| Start | 18704 | End | 18981 |
| GI | uC-osflcyp106d06b1 | Score | 544 |
| Exons | 18704..18981 | | |
| GI Descrip. | '2580438/dbj\|BAA23142\| 4.0e-60 (D87260) PCF1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15709 | Strand | - |
| Start | 21023 | End | 21619 |
| Name | OJ990421_04.9919.C46.o1.tm | Method | TBLASTX:Maize |
| Start | 2060 | End | 2595 |
| GI | none | Score | 52 |
| Exons | 2060..2101, 2061..2102, 2061..2105, 2185..2466, 2186..2497, 2198..2494, 2555..2590, 2557..2595 | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15709 | Strand | - |
| Start | 21023 | End | 21619 |
| Name | OJ990421_04.9919.C46.o2.tm | Method | TBLASTX:Maize |
| Start | 3434 | End | 3624 |
| GI | none | Score | 75 |
| Exons | 3434..3580, 3448..3624, 3471..3623 | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15709 | Strand | - |
| Start | 21023 | End | 21619 |
| Name | OJ990421_04.9919.C46.o3.gp | Method | AAT/GAP |
| Start | 21023 | End | 21619 |

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|---|---|---|---|
| GI | 2580437 | Score | 1174 |
| Exons | 21023..21619 | | |
| GI Descrip. | 2580438/dbj\|BAA23142\| 4.0e-60 (D87260) PCF1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7448 | Seq. ID | OJ990421_04.9919.C46 |
| Gene No. | 15709 | Strand | - |
| Start | 21023 | End | 21619 |
| Name | OJ990421_04.9919.C46.o3.np | Method | AAT/NAP |
| Start | 21309 | End | 21619 |
| GI | 2580438 | Score | 527 |
| Exons | 21309..21619 | | |
| GI Descrip. | (D87260) PCF1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7449 | Seq. ID | OJ990421_04.9919.C47 |
| Gene No. | 15710 | Strand | + |
| Start | 109 | End | 1143 |
| Name | OJ990421_04.9919.C47.o1.gs | Method | GENSCAN |
| Start | 109 | End | 1143 |
| GI | none | Score | .44 |
| Exons | 109..204, 889..1143 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15711 | Strand | + |
| Start | 107 | End | 5690 |
| Name | OJ990421_04.9919.C48.o1.gp | Method | AAT/GAP |
| Start | 107 | End | 577 |
| GI | none | Score | 907 |
| Exons | 107..577 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15711 | Strand | + |
| Start | 107 | End | 5690 |
| Name | OJ990421_04.9919.C48.o1.gs | Method | GENSCAN |
| Start | 125 | End | 5690 |
| GI | none | Score | .83 |
| Exons | 125..301, 546..628, 967..1039, 2262..2362, 3329..3639, 3696..3900, 4464..5264, 5275..5690 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15711 | Strand | + |
| Start | 107 | End | 5690 |
| Name | OJ990421_04.9919.C48.o2.gp | Method | AAT/GAP |
| Start | 2138 | End | 2740 |
| GI | none | Score | 714 |
| Exons | 2138..2362, 2579..2740 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15711 | Strand | + |
| Start | 107 | End | 5690 |
| Name | OJ990421_04.9919.C48.o1.np | Method | AAT/NAP |
| Start | 3293 | End | 3866 |
| GI | 6862956 | Score | 426 |
| Exons | 3293..3866 | | |
| GI Descrip. | (AC019018) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15711 | Strand | + |

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|---|---|---|---|
| Start | 107 | End | 5690 |
| Name | OJ990421_04.9919.C48.o2.np | Method | AAT/NAP |
| Start | 5521 | End | 5617 |
| GI | 5441881 | Score | 51 |
| Exons | 5521..5617 | | |
| GI Descrip. | (AP000367) Similar to putative receptor kinase. (AC002332) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15712 | Strand | + |
| Start | 12185 | End | 19082 |
| Name | OJ990421_04.9919.C48.o3.gs | Method | GENSCAN |
| Start | 12185 | End | 19082 |
| GI | none | Score | .8 |
| Exons | 12185..12472, 13013..13285, 13368..13548, 13827..13867, 14036..14296, 14771..14903, 15004..15094, 15521..15623, 16157..16260, 16409..16502, 16585..16740, 16824..16886, 16988..17053, 17270..17470, 17599..17676, 17765..17884, 18491..18631, 18693..19082 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15712 | Strand | + |
| Start | 12185 | End | 19082 |
| Name | OJ990421_04.9919.C48.o3.np | Method | AAT/NAP |
| Start | 12206 | End | 19079 |
| GI | 2499115 | Score | 2876 |
| Exons | 12206..12472, 13013..13268, 13357..13548, 14036..14296, 14771..14903, 15004..15094, 15521..15623, 16157..16260, 16409..16502, 16585..16740, 16824..16886, 16988..17053, 17270..17470, 17599..17676, 17765..17884, 17982..18062, 18148..18233, 18520..18601, 18693..19079 | | |
| GI Descrip. | VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG gi\|1835788 (U86662) VPS41 [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15712 | Strand | + |
| Start | 12185 | End | 19082 |
| Name | OJ990421_04.9919.C48.o3.gp | Method | AAT/GAP |
| Start | 16980 | End | 18782 |
| GI | 31999_1.R1084 | Score | 1453 |
| Exons | 16980..17053, 17270..17470, 17599..17676, 17765..17884, 17982..18062, 18148..18233, 18520..18601, 18693..18782 | | |
| GI Descrip. | '2499115/sp\|P93231\|VP41_LYCES 1.0e-106 VACUOLAR ASSEMBLY PROTEIN VPS41 HOMOLOG >gi_1835788 (U86662) VPS41 [Lycopersicon esculentum]' | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15713 | Strand | - |
| Start | 9081 | End | 9473 |
| Name | OJ990421_04.9919.C48.o2.gs | Method | GENSCAN |
| Start | 9081 | End | 9473 |
| GI | none | Score | .63 |
| Exons | 9081..9473 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15714 | Strand | - |
| Start | 19022 | End | 19421 |

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|---|---|---|---|
| Name | OJ990421_04.9919.C48.o4.gp | Method | AAT/GAP |
| Start | 19022 | End | 19421 |
| GI | none | Score | 792 |
| Exons | 19022..19421 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o1.tw | Method | TBLASTX:Wheat |
| Start | 3286 | End | 3564 |
| GI | none | Score | 44 |
| Exons | 3286..3336, 3339..3563, 3340..3564 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o5.tm | Method | TBLASTX:Maize |
| Start | 3402 | End | 3758 |
| GI | none | Score | 350 |
| Exons | 3402..3677, 3418..3714, 3681..3758, 3689..3757 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o1.tm | Method | TBLASTX:Maize |
| Start | 13030 | End | 13548 |
| GI | none | Score | 250 |
| Exons | 13030..13269, 13031..13282, 13033..13269, 13071..13289, 13255..13287, 13359..13502, 13360..13503, 13361..13525, 13365..13505, 13500..13547, 13501..13548 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o3.ts | Method | TBLASTX:Soybean |
| Start | 13364 | End | 14143 |
| GI | none | Score | 68 |
| Exons | 13364..13507, 13365..13508, 13365..13505, 13367..13525, 13501..13545, 13503..13550, 14012..14143, 14024..14098 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o2.ts | Method | TBLASTX:Soybean |
| Start | 14156 | End | 16266 |
| GI | none | Score | 167 |
| Exons | 14156..14296, 14158..14298, 14158..14292, 14770..14904, 14770..14904, 14771..14905, 15002..15067, 15003..15095, 15003..15095, 15518..15625, 15519..15626, 16145..16261, 16154..16258, 16155..16259, 16156..16263, 16156..16266 | | |

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| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o6.tm | Method | TBLASTX:Maize |
| Start | 14854 | End | 15626 |
| GI | none | Score | 88 |

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|---|---|---|---|
| Exons | 14854..14904, 14855..14905, 15003..15095, 15003..15095, 15518..15625, 15519..15626 | | |
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o2.tc | Method | TBLASTX:Cress |
| Start | 15528 | End | 16742 |
| GI | none | Score | 129 |
| Exons | 15528..15626, 15542..15625, 16145..16261, 16152..16262, 16154..16261, 16156..16263, 16156..16266, 16406..16513, 16407..16505, 16528..16740, 16584..16739, 16650..16742 | | |
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o2.tm | Method | TBLASTX:Maize |
| Start | 16145 | End | 17646 |
| GI | none | Score | 179 |
| Exons | 16145..16261, 16154..16258, 16156..16263, 16156..16266, 16388..16504, 16400..16522, 16407..16505, 16584..16739, 16584..16739, 16585..16740, 16824..16889, 16827..16886, 16973..17053, 16974..17054, 16979..17056, 17267..17473, 17272..17472, 17555..17644, 17588..17644, 17596..17646, 17602..17646 | | |
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o1.ts | Method | TBLASTX:Soybean |
| Start | 16823 | End | 18770 |
| GI | none | Score | 76 |
| Exons | 16823..16891, 16824..16889, 16979..17056, 16993..17043, 17267..17473, 17269..17472, 17598..17672, 17602..17676, 17756..17890, 17764..17895, 17770..17877, 17979..18065, 17979..18065, 18141..18230, 18142..18234, 18518..18607, 18520..18585, 18687..18770, 18692..18769 | | |
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o1.tc | Method | TBLASTX:Cress |
| Start | 17402 | End | 18044 |
| GI | none | Score | 88 |
| Exons | 17402..17473, 17598..17702, 17602..17676, 17755..17886, 17762..17890, 17764..17877, 17979..18044 | | |
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o4.tm | Method | TBLASTX:Maize |
| Start | 17764 | End | 18218 |
| GI | none | Score | 191 |
| Exons | 17764..17877, 17765..17890, 17765..17884, 17766..17885, 17979..18065, 17979..18065, 17980..18066, 18140..18205, 18141..18218, 18142..18204, 18147..18206 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o3.tm | Method | TBLASTX:Maize |
| Start | 18836 | End | 19323 |
| GI | none | Score | 269 |
| Exons | 18836..18988, 18837..19052, 18837..18995, 18984..19082, 18994..19083, 19005..19133, 19040..19132, 19163..19240, 19167..19238, 19175..19240, 19176..19316, 19276..19323, 19279..19323 | | |

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|---|---|---|---|
| Seq. No. | 7450 | Seq. ID | OJ990421_04.9919.C48 |
| Gene No. | 15715 | Strand | - |
| Start | 20719 | End | 22419 |
| Name | OJ990421_04.9919.C48.o4.gs | Method | GENSCAN |
| Start | 20719 | End | 22419 |
| GI | none | Score | .7 |
| Exons | 20719..20873, 21830..22419 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15716 | Strand | + |
| Start | 360 | End | 5057 |
| Name | OJ990421_04.9919.C49.o1.gs | Method | GENSCAN |
| Start | 360 | End | 5057 |
| GI | none | Score | .54 |
| Exons | 360..375, 2990..3305, 3465..3571, 3601..3748, 4017..4094, 4301..4483, 4919..5057 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15717 | Strand | + |
| Start | 7896 | End | 13232 |
| Name | OJ990421_04.9919.C49.o3.gs | Method | GENSCAN |
| Start | 7896 | End | 13232 |
| GI | none | Score | .46 |
| Exons | 7896..8658, 8898..8973, 9020..9787, 10431..10698, 10801..11004, 11328..11370, 11481..11636, 11764..11810, 11978..12034, 12519..12596, 13047..13232 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15717 | Strand | + |
| Start | 7896 | End | 13232 |
| Name | OJ990421_04.9919.C49.o1.np | Method | AAT/NAP |
| Start | 8091 | End | 13088 |
| GI | 5441880 | Score | 961 |
| Exons | 8091..8141, 8169..9117, 9559..9603, 9868..10312, 10396..11085, 11175..11370, 13060..13088 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15718 | Strand | - |
| Start | 5388 | End | 6415 |
| Name | OJ990421_04.9919.C49.o2.gs | Method | GENSCAN |
| Start | 5388 | End | 6415 |
| GI | none | Score | .52 |
| Exons | 5388..5482, 5677..5808, 6060..6176, 6412..6415 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o1.tm | Method | TBLASTX:Maize |
| Start | 8679 | End | 9260 |
| GI | none | Score | 113 |
| Exons | 8679..8801, 8684..8797, 8858..9022, 8859..8981, 8976..9140, 9003..9140, 9180..9260 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o1.tw | Method | TBLASTX:Wheat |
| Start | 8970 | End | 9371 |
| GI | none | Score | 162 |
| Exons | 8970..9158, 9148..9315, 9170..9274, 9171..9371, 9171..9341 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o4.gs | Method | GENSCAN |
| Start | 14886 | End | 16263 |
| GI | none | Score | .86 |
| Exons | 14886..15044, 16141..16263 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o2.np | Method | AAT/NAP |
| Start | 15997 | End | 18718 |
| GI | 5281016 | Score | 114 |
| Exons | 15997..16025, 16271..16318, 17824..18264, 18569..18718 | | |
| GI Descrip. | (Z97339) hydroperoxide lyase (HPOL) like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o5.gs | Method | GENSCAN |
| Start | 17759 | End | 18544 |
| GI | none | Score | .92 |
| Exons | 17759..17923, 18122..18240, 18532..18544 | | |

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| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o1.ts | Method | TBLASTX:Soybean |
| Start | 17822 | End | 18181 |
| GI | none | Score | 79 |
| Exons | 17822..17968, 18029..18181, 18062..18181 | | |

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|---|---|---|---|
| Seq. No. | 7451 | Seq. ID | OJ990421_04.9919.C49 |
| Gene No. | 15719 | Strand | - |
| Start | 14886 | End | 18718 |
| Name | OJ990421_04.9919.C49.o2.tm | Method | TBLASTX:Maize |
| Start | 17852 | End | 18181 |

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|---|---|---|---|
| GI | none | Score | 62 |
| Exons | 17852..17953, 17859..17954, 17898..17987, 18029..18181, 18029..18181 | | |

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|---|---|---|---|
| Seq. No. | 7452 | Seq. ID | OJ990421_04.9919.C50 |
| Gene No. | 15720 | Strand | + |
| Start | 1 | End | 749 |
| Name | OJ990421_04.9919.C50.o1.np | Method | AAT/NAP |
| Start | 1 | End | 749 |
| GI | 2443320 | Score | 433 |
| Exons | 1..81, 440..749 | | |
| GI Descrip. | (D85597) polyprotein [Oryza australiensis] | | |

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|---|---|---|---|
| Seq. No. | 7452 | Seq. ID | OJ990421_04.9919.C50 |
| Gene No. | 15720 | Strand | + |
| Start | 1 | End | 749 |
| Name | OJ990421_04.9919.C50.o1.tw | Method | TBLASTX:Wheat |
| Start | 442 | End | 749 |
| GI | none | Score | 385 |
| Exons | 442..747, 446..748, 453..749 | | |

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|---|---|---|---|
| Seq. No. | 7453 | Seq. ID | OJ990421_04.9919.C51 |
| Gene No. | 15721 | Strand | - |
| Start | 50 | End | 76 |
| Name | OJ990421_04.9919.C51.o1.gs | Method | GENSCAN |
| Start | 50 | End | 76 |
| GI | none | Score | .44 |
| Exons | 50..76 | | |

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|---|---|---|---|
| Seq. No. | 7454 | Seq. ID | OJ990421_04.9919.C54 |
| Gene No. | 15722 | Strand | + |
| Start | 114 | End | 545 |
| Name | OJ990421_04.9919.C54.o1.gs | Method | GENSCAN |
| Start | 114 | End | 545 |
| GI | none | Score | .92 |
| Exons | 114..367, 442..545 | | |

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|---|---|---|---|
| Seq. No. | 7455 | Seq. ID | OJ990421_04.9919.C56 |
| Gene No. | 15723 | Strand | + |
| Start | 1 | End | 849 |
| Name | OJ990421_04.9919.C56.o1.np | Method | AAT/NAP |
| Start | 1 | End | 849 |
| GI | 5902444 | Score | 617 |
| Exons | 1..849 | | |
| GI Descrip. | (AB030283) GAG-POL precursor [Oryza sativa] | | |

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| Seq. No. | 7455 | Seq. ID | OJ990421_04.9919.C56 |
| Gene No. | 15723 | Strand | + |
| Start | 1 | End | 849 |
| Name | OJ990421_04.9919.C56.o1.gs | Method | GENSCAN |
| Start | 101 | End | 775 |
| GI | none | Score | .65 |
| Exons | 101..263, 369..775 | | |

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| Seq. No. | 7455 | Seq. ID | OJ990421_04.9919.C56 |
| Gene No. | 15723 | Strand | + |
| Start | 1 | End | 849 |

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|---|---|---|---|
| Name | OJ990421_04.9919.C56.o1.tw | Method | TBLASTX:Wheat |
| Start | 329 | End | 784 |
| GI | none | Score | 148 |
| Exons | 329..511, 337..510, 548..784, | 550..774 | |

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|---|---|---|---|
| Seq. No. | 7456 | Seq. ID | OJ990421_04.9919.C60 |
| Gene No. | 15724 | Strand | - |
| Start | 1 | End | 552 |
| Name | OJ990421_04.9919.C60.o1.np | Method | AAT/NAP |
| Start | 1 | End | 552 |
| GI | 2443320 | Score | 612 |
| Exons | 1..552 | | |
| GI Descrip. | (D85597) polyprotein [Oryza australiensis] | | |

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|---|---|---|---|
| Seq. No. | 7456 | Seq. ID | OJ990421_04.9919.C60 |
| Gene No. | 15724 | Strand | - |
| Start | 1 | End | 552 |
| Name | OJ990421_04.9919.C60.o1.tw | Method | TBLASTX:Wheat |
| Start | 166 | End | 551 |
| GI | none | Score | 312 |
| Exons | 166..537, 200..547, 204..551 | | |

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|---|---|---|---|
| Seq. No. | 7456 | Seq. ID | OJ990421_04.9919.C60 |
| Gene No. | 15724 | Strand | - |
| Start | 1 | End | 552 |
| Name | OJ990421_04.9919.C60.o1.tm | Method | TBLASTX:Maize |
| Start | 261 | End | 536 |
| GI | none | Score | 137 |
| Exons | 261..341, 348..536 | | |

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| Seq. No. | 7456 | Seq. ID | OJ990421_04.9919.C60 |
| Gene No. | 15724 | Strand | - |
| Start | 1 | End | 552 |
| Name | OJ990421_04.9919.C60.o1.ts | Method | TBLASTX:Soybean |
| Start | 270 | End | 545 |
| GI | none | Score | 91 |
| Exons | 270..350, 351..545, 352..543, | 363..545 | |

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|---|---|---|---|
| Seq. No. | 7457 | Seq. ID | OJ990421_04.9919.C62 |
| Gene No. | 15725 | Strand | + |
| Start | 1 | End | 601 |
| Name | OJ990421_04.9919.C62.o1.np | Method | AAT/NAP |
| Start | 1 | End | 601 |
| GI | 5441880 | Score | 155 |
| Exons | 1..266, 356..601 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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| Seq. No. | 7457 | Seq. ID | OJ990421_04.9919.C62 |
| Gene No. | 15725 | Strand | + |
| Start | 1 | End | 601 |
| Name | OJ990421_04.9919.C62.o1.gs | Method | GENSCAN |
| Start | 129 | End | 496 |
| GI | none | Score | .83 |
| Exons | 129..259, 349..496 | | |

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|---|---|---|---|
| Seq. No. | 7458 | Seq. ID | OJ990421_04.9919.C63 |
| Gene No. | 15726 | Strand | - |
| Start | 1 | End | 113 |
| Name | OJ990421_04.9919.C63.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 113 |
| GI | none | Score | 163 |
| Exons | 1..113 | | |

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|---|---|---|---|
| Seq. No. | 7459 | Seq. ID | OJ990331_08.9922.C4 |
| Gene No. | 15727 | Strand | + |
| Start | 61 | End | 570 |
| Name | OJ990331_08.9922.C4.o1.gs | Method | GENSCAN |
| Start | 61 | End | 570 |
| GI | none | Score | .55 |
| Exons | 61..165, 486..570 | | |

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|---|---|---|---|
| Seq. No. | 7459 | Seq. ID | OJ990331_08.9922.C4 |
| Gene No. | 15728 | Strand | - |
| Start | 504 | End | 636 |
| Name | OJ990331_08.9922.C4.o1.gp | Method | AAT/GAP |
| Start | 504 | End | 636 |
| GI | none | Score | 237 |
| Exons | 504..636 | | |

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|---|---|---|---|
| Seq. No. | 7460 | Seq. ID | OJ990331_08.9922.C5 |
| Gene No. | 15729 | Strand | - |
| Start | 341 | End | 476 |
| Name | OJ990331_08.9922.C5.o1.gp | Method | AAT/GAP |
| Start | 341 | End | 476 |
| GI | none | Score | 226 |
| Exons | 341..476 | | |

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|---|---|---|---|
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15730 | Strand | + |
| Start | 273 | End | 697 |
| Name | OJ990331_08.9922.C6.o1.gp | Method | AAT/GAP |
| Start | 273 | End | 697 |
| GI | 3767404 | Score | 802 |
| Exons | 273..697 | | |
| GI Descrip. | 5454202/gb\|AAD43617.1\|AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15730 | Strand | + |
| Start | 273 | End | 697 |
| Name | OJ990331_08.9922.C6.o1.gs | Method | GENSCAN |
| Start | 274 | End | 453 |
| GI | none | Score | 1 |
| Exons | 274..453 | | |

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|---|---|---|---|
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15731 | Strand | + |
| Start | 989 | End | 1397 |
| Name | OJ990331_08.9922.C6.o2.gp | Method | AAT/GAP |
| Start | 989 | End | 1397 |
| GI | 3767404 | Score | 576 |
| Exons | 989..1397 | | |

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|---|---|---|---|
| GI Descrip. | 5454202/gb\|AAD43617.1\|AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana] | | |
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15732 | Strand | - |
| Start | 2651 | End | 4059 |
| Name | OJ990331_08.9922.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 265 | End | 1166 |
| GI | none | Score | 295 |
| Exons | 265..471, 266..457, 1013..1054, 1014..1055, 1116..1166, 1116..1166 | | |
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15732 | Strand | - |
| Start | 2651 | End | 4059 |
| Name | OJ990331_08.9922.C6.o2.gs | Method | GENSCAN |
| Start | 2651 | End | 4041 |
| GI | none | Score | .76 |
| Exons | 2651..3574, 3700..4041 | | |
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15732 | Strand | - |
| Start | 2651 | End | 4059 |
| Name | OJ990331_08.9922.C6.o2.np | Method | AAT/NAP |
| Start | 2717 | End | 4059 |
| GI | 3892713 | Score | 1059 |
| Exons | 2717..4059 | | |
| GI Descrip. | (AL033545) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15732 | Strand | - |
| Start | 2651 | End | 4059 |
| Name | OJ990331_08.9922.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 2768 | End | 3133 |
| GI | none | Score | 90 |
| Exons | 2768..2965, 2966..3133, 2967..3098 | | |
| Seq. No. | 7461 | Seq. ID | OJ990331_08.9922.C6 |
| Gene No. | 15732 | Strand | - |
| Start | 2651 | End | 4059 |
| Name | OJ990331_08.9922.C6.o3.gp | Method | AAT/GAP |
| Start | 3746 | End | 4056 |
| GI | LIB3479-005-Q6-K1-B1 | Score | 581 |
| Exons | 3746..4056 | | |
| GI Descrip. | '5454202/gb\|AAD43617.1\|AC005698_16 7.0e-15 (AC005698) T3P18.16 [Arabidopsis thaliana]' | | |
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15733 | Strand | + |
| Start | 1 | End | 2725 |
| Name | OJ990331_08.9922.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2725 |
| GI | 6642665 | Score | 133 |
| Exons | 1..36, 242..412, 645..792, 2646..2725 | | |
| GI Descrip. | (AC015450) putative cinnamoyl-CoA reductase [Arabidopsis thaliana] | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15733 | Strand | + |
| Start | 1 | End | 2725 |
| Name | OJ990331_08.9922.C7.o1.gp | Method | AAT/GAP |
| Start | 203 | End | 683 |
| GI | LIB3433-043-P1-K1-F7 | Score | 374 |
| Exons | 203..406, 627..683 | | |
| GI Descrip. | '2459448 1.0e-30 (AC002332) putative cinnamoyl-CoA reductase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15734 | Strand | + |
| Start | 9066 | End | 9371 |
| Name | OJ990331_08.9922.C7.o5.gs | Method | GENSCAN |
| Start | 9066 | End | 9371 |
| GI | none | Score | .92 |
| Exons | 9066..9371 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15735 | Strand | + |
| Start | 9882 | End | 13552 |
| Name | OJ990331_08.9922.C7.o3.gp | Method | AAT/GAP |
| Start | 9594 | End | 11226 |
| GI | none | Score | 788 |
| Exons | 9594..9674, 10808..10907, 10988..11226 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15735 | Strand | + |
| Start | 9882 | End | 13552 |
| Name | OJ990331_08.9922.C7.o6.gs | Method | GENSCAN |
| Start | 9882 | End | 13162 |
| GI | none | Score | .71 |
| Exons | 9882..9990, 11240..11469, 11552..11692, 11757..11852, 11951..12079, 12165..12221, 12308..12409, 12498..12575, 12670..12810, 12906..12998, 13112..13162 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15735 | Strand | + |
| Start | 9882 | End | 13552 |
| Name | OJ990331_08.9922.C7.o2.np | Method | AAT/NAP |
| Start | 11185 | End | 13061 |
| GI | 3892714 | Score | 810 |
| Exons | 11185..11469, 11552..11692, 11781..11852, 11951..12079, 12165..12221, 12308..12409, 12498..12575, 12670..12810, 12906..13061 | | |
| GI Descrip. | (AL033545) trehalose-6-phosphate phosphatase-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15735 | Strand | + |
| Start | 9882 | End | 13552 |
| Name | OJ990331_08.9922.C7.o4.gp | Method | AAT/GAP |
| Start | 12955 | End | 13552 |
| GI | none | Score | 867 |
| Exons | 12955..12998, 13112..13552 | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |

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|---|---|---|---|
| Gene No. | 15736 | Strand | + |
| Start | 14976 | End | 19795 |
| Name | OJ990331_08.9922.C7.o3.np | Method | AAT/NAP |
| Start | 14976 | End | 19558 |
| GI | 4584520 | Score | 752 |
| Exons | 14976..15086, 16004..16096, 16143..16174, 16418..16500, 16988..17067, 17151..17234, 17395..17479, 17601..17686, 17791..17912, 18475..18535, 18847..18945, 19031..19132, 19294..19368, 19442..19558 | | |
| GI Descrip. | (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15736 | Strand | + |
| Start | 14976 | End | 19795 |
| Name | OJ990331_08.9922.C7.o5.gp | Method | AAT/GAP |
| Start | 15754 | End | 17055 |
| GI | 35300_1.R1084 | Score | 804 |
| Exons | 15754..15921, 16016..16096, 16432..16500, 16574..16637, 16988..17055 | | |
| GI Descrip. | '2880043 1.0e-16 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15736 | Strand | + |
| Start | 14976 | End | 19795 |
| Name | OJ990331_08.9922.C7.o9.gs | Method | GENSCAN |
| Start | 15781 | End | 19221 |
| GI | none | Score | .92 |
| Exons | 15781..15921, 16016..16096, 16432..16500, 17151..17234, 17395..17479, 17601..17686, 17791..17912, 18475..18535, 19031..19132, 19168..19221 | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15736 | Strand | + |
| Start | 14976 | End | 19795 |
| Name | OJ990331_08.9922.C7.o6.gp | Method | AAT/GAP |
| Start | 17406 | End | 18901 |
| GI | 6025047 | Score | 658 |
| Exons | 17406..17479, 17601..17686, 17791..17912, 18475..18535, 18847..18901 | | |
| GI Descrip. | 4584520/emb\|CAB40751.1\| 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15736 | Strand | + |
| Start | 14976 | End | 19795 |
| Name | OJ990331_08.9922.C7.o7.gp | Method | AAT/GAP |
| Start | 19069 | End | 19795 |
| GI | 77236_1.R1084 | Score | 820 |
| Exons | 19069..19132, 19294..19335, 19442..19795 | | |
| GI Descrip. | '4584520/emb\|CAB40751.1\| 1.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15737 | Strand | + |
| Start | 22825 | End | 23223 |

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|---|---|---|---|
| Name | OJ990331_08.9922.C7.o10.gs | Method | GENSCAN |
| Start | 22825 | End | 23223 |
| GI | none | Score | .99 |
| Exons | 22825..23223 | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15737 | Strand | + |
| Start | 22825 | End | 23223 |
| Name | OJ990331_08.9922.C7.o4.np | Method | AAT/NAP |
| Start | 22825 | End | 23214 |
| GI | 1084461 | Score | 411 |
| Exons | 22825..23214 | | |
| GI Descrip. | RCc3 protein - rice gi\|786132 (L27208) RCc3 [Oryza sativa] | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15738 | Strand | + |
| Start | 26100 | End | 26474 |
| Name | OJ990331_08.9922.C7.o11.gs | Method | GENSCAN |
| Start | 26100 | End | 26474 |
| GI | none | Score | .91 |
| Exons | 26100..26474 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15739 | Strand | + |
| Start | 29516 | End | 29917 |
| Name | OJ990331_08.9922.C7.o12.gs | Method | GENSCAN |
| Start | 29516 | End | 29917 |
| GI | none | Score | .98 |
| Exons | 29516..29917 | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15739 | Strand | + |
| Start | 29516 | End | 29917 |
| Name | OJ990331_08.9922.C7.o5.np | Method | AAT/NAP |
| Start | 29516 | End | 29911 |
| GI | 1084461 | Score | 427 |
| Exons | 29516..29911 | | |
| GI Descrip. | RCc3 protein - rice gi\|786132 (L27208) RCc3 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15740 | Strand | + |
| Start | 33205 | End | 35125 |
| Name | OJ990331_08.9922.C7.o6.np | Method | AAT/NAP |
| Start | 33205 | End | 35125 |
| GI | 6907086 | Score | 471 |
| Exons | 33205..33973, 34033..34373, 34746..34957, 35039..35125 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15741 | Strand | - |
| Start | 631 | End | 891 |
| Name | OJ990331_08.9922.C7.o2.gs | Method | GENSCAN |
| Start | 631 | End | 891 |
| GI | none | Score | .99 |
| Exons | 631..891 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |

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|---|---|---|---|
| Gene No. | 15742 | Strand | - |
| Start | 1656 | End | 4566 |
| Name | OJ990331_08.9922.C7.o3.gs | Method | GENSCAN |
| Start | 1656 | End | 4133 |
| GI | none | Score | .58 |
| Exons | 1656..1980, 2381..2424, 4119..4133 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15742 | Strand | - |
| Start | 1656 | End | 4566 |
| Name | OJ990331_08.9922.C7.o2.gp | Method | AAT/GAP |
| Start | 4015 | End | 4566 |
| GI | LIB3474-009-P1-K1-F11 | Score | 234 |
| Exons | 4015..4148, 4530..4566 | | |
| GI Descrip. | '4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15743 | Strand | - |
| Start | 5369 | End | 8458 |
| Name | OJ990331_08.9922.C7.o4.gs | Method | GENSCAN |
| Start | 5369 | End | 8458 |
| GI | none | Score | .58 |
| Exons | 5369..5556, 5812..5904, 6767..6826, 7754..7773, 7778..7894, 8403..8458 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15744 | Strand | - |
| Start | 14061 | End | 14527 |
| Name | OJ990331_08.9922.C7.o7.gs | Method | GENSCAN |
| Start | 14061 | End | 14527 |
| GI | none | Score | .47 |
| Exons | 14061..14148, 14248..14368, 14434..14527 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15745 | Strand | - |
| Start | 14700 | End | 15140 |
| Name | OJ990331_08.9922.C7.o8.gs | Method | GENSCAN |
| Start | 14700 | End | 15140 |
| GI | none | Score | .92 |
| Exons | 14700..15016, 15071..15140 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15746 | Strand | - |
| Start | 22758 | End | 23509 |
| Name | OJ990331_08.9922.C7.o8.gp | Method | AAT/GAP |
| Start | 22758 | End | 23509 |
| GI | 4380_2.R1084 | Score | 1396 |
| Exons | 22758..23509 | | |
| GI Descrip. | '1084461/pir\|\|S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15747 | Strand | - |
| Start | 26020 | End | 26642 |
| Name | OJ990331_08.9922.C7.o9.gp | Method | AAT/GAP |
| Start | 26020 | End | 26642 |

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|---|---|---|---|
| GI | 4380_3.R1084 | Score | 1210 |
| Exons | 26020..26642 | | |
| GI Descrip. | '1084461/pir\|\|S53012 2.0e-25 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]' | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15748 | Strand | - |
| Start | 29446 | End | 30228 |
| Name | OJ990331_08.9922.C7.o10.gp | Method | AAT/GAP |
| Start | 29446 | End | 30228 |
| GI | 4380_1.R1084 | Score | 1517 |
| Exons | 29446..30228 | | |
| GI Descrip. | '1084461/pir\|\|S53012 2.0e-22 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]' | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o7.tm | Method | TBLASTX:Maize |
| Start | 239 | End | 399 |
| GI | none | Score | 157 |
| Exons | 239..367, 241..399, 241..369 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 272 | End | 29911 |
| GI | none | Score | 65 |
| Exons | 272..484, 22965..23033, 22969..23037, 23044..23214, 23153..23188, 23181..23213, 26216..26284, 26220..26288, 26232..26309, 26294..26506, 26295..26477, 29662..29730, 29666..29734, 29678..29755, 29741..29911, 29859..29909 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o4.tm | Method | TBLASTX:Maize |
| Start | 10987 | End | 11310 |
| GI | none | Score | 121 |
| Exons | 10987..11085, 10988..11086, 11173..11202, 11202..11309, 11202..11309, 11203..11310, 11209..11310 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 11332 | End | 13174 |
| GI | none | Score | 69 |
| Exons | 11332..11415, 11549..11683, 11551..11685, 11552..11686, 11756..11854, 11760..11855, 11760..11855, 11951..12031, 12164..12232, 12165..12236, 12320..12400, 12322..12402, 12510..12587, 12667..12813, 12669..12812, 12881..13021, 12927..13022, 13112..13174 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |

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|---|---|---|---|
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 11551 | End | 12992 |
| GI | none | Score | 159 |
| Exons | 11551..11691, 11558..11692, 11778..11861, 11780..11863, 11951..12061, 11980..12030, 12171..12221, 12314..12400, 12510..12587, 12667..12825, 12669..12812, 12906..12992, 12926..12991 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 11552 | End | 12025 |
| GI | none | Score | 162 |
| Exons | 11552..11689, 11557..11688, 11781..11855, 11792..11863, 11951..12025, 11980..12024 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 11554 | End | 11989 |
| GI | none | Score | 153 |
| Exons | 11554..11676, 11558..11689, 11781..11852, 11951..11989 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 12307 | End | 13013 |
| GI | none | Score | 92 |
| Exons | 12307..12402, 12308..12400, 12516..12587, 12664..12810, 12667..12813, 12675..12812, 12906..13013, 12926..13000 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 12504 | End | 13022 |
| GI | none | Score | 61 |
| Exons | 12504..12578, 12669..12812, 12670..12813, 12906..13022, 12926..13012 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 16013 | End | 19117 |
| GI | none | Score | 96 |
| Exons | 16013..16099, 16432..16515, 16435..16500, 16567..16683, 16568..16639, 16987..17073, 17151..17237, 17394..17495, 17395..17481, 17596..17697, 17597..17683, 17791..17913, 17799..17912, 17845..17913, 18472..18543, 18473..18535, 18852..18944, 18853..18954, 19030..19116, 19031..19117 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |

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| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 16013 | End | 17073 |
| GI | none | Score | 123 |
| Exons | 16013..16096, 16015..16095, 16431..16499, 16432..16500, 16432..16509, 16567..16686, 16568..16684, 16984..17067, 16986..17069, 16986..17069, 16987..17073 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 17599 | End | 19136 |
| GI | none | Score | 90 |
| Exons | 17599..17682, 17599..17682, 17600..17683, 17603..17683, 17776..17913, 17794..17913, 17799..17921, 18302..18343, 18459..18536, 18472..18543, 18473..18550, 18846..18944, 18846..18944, 18847..18954, 18847..18948, 19024..19125, 19029..19136, 19031..19123 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 19288 | End | 19584 |
| GI | none | Score | 68 |
| Exons | 19288..19335, 19439..19561, 19441..19584, 19441..19560 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 22953 | End | 29944 |
| GI | none | Score | 115 |
| Exons | 22953..23033, 22954..23037, 22981..23067, 23041..23133, 23044..23214, 23144..23188, 26172..26198, 26180..26284, 26181..26288, 26181..26198, 26232..26318, 26245..26289, 26292..26378, 26294..26458, 26295..26465, 29659..29730, 29660..29734, 29678..29764, 29738..29824, 29740..29913, 29741..29944 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o2.tc | Method | TBLASTX:Cress |
| Start | 22963 | End | 29917 |
| GI | none | Score | 79 |
| Exons | 22963..23037, 23044..23214, 26172..26231, 26214..26288, 26279..26464, 26295..26465, 29660..29734, 29740..29910, 29741..29917 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o4.ts | Method | TBLASTX:Soybean |
| Start | 22963 | End | 30004 |

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|---|---|---|---|
| GI | none | Score | 218 |
| Exons | 22963..23214, 22968..23126, 26183..26464, 26184..26465, 29660..29911, 29665..29832, 29909..30004 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o11.gp | Method | AAT/GAP |
| Start | 31488 | End | 31913 |
| GI | 4878407 | Score | 671 |
| Exons | 31488..31913 | | |
| GI Descrip. | 6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o13.gs | Method | GENSCAN |
| Start | 31597 | End | 34897 |
| GI | none | Score | .64 |
| Exons | 31597..31731, 32399..32553, 33439..33524, 33604..33978, 34029..34225, 34311..34458, 34700..34897 | | |

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| Seq. No. | 7462 | Seq. ID | OJ990331_08.9922.C7 |
| Gene No. | 15749 | Strand | - |
| Start | 31597 | End | 34975 |
| Name | OJ990331_08.9922.C7.o7.np | Method | AAT/NAP |
| Start | 33248 | End | 34975 |
| GI | 4455154 | Score | 79 |
| Exons | 33248..33490, 34172..34278, 34558..34616, 34864..34975 | | |
| GI Descrip. | (AL033545) extensin-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15750 | Strand | + |
| Start | 353 | End | 1266 |
| Name | OJ990331_08.9922.C8.o1.gs | Method | GENSCAN |
| Start | 353 | End | 1266 |
| GI | none | Score | .55 |
| Exons | 353..394, 1043..1266 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15751 | Strand | + |
| Start | 6301 | End | 13556 |
| Name | OJ990331_08.9922.C8.o3.gs | Method | GENSCAN |
| Start | 6301 | End | 8833 |
| GI | none | Score | .79 |
| Exons | 6301..6348, 6883..7014, 7919..8124, 8240..8397, 8622..8833 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15751 | Strand | + |
| Start | 6301 | End | 13556 |
| Name | OJ990331_08.9922.C8.o1.np | Method | AAT/NAP |
| Start | 7547 | End | 13556 |
| GI | 1657851 | Score | 490 |
| Exons | 7547..7661, 9025..9420, 13161..13556 | | |
| GI Descrip. | (U73214) cold acclimation protein WCOR518 [Triticum aestivum] | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15751 | Strand | + |
| Start | 6301 | End | 13556 |
| Name | OJ990331_08.9922.C8.o1.gp | Method | AAT/GAP |
| Start | 8920 | End | 9281 |
| GI | 62886_1.R1084 | Score | 673 |
| Exons | 8920..9281 | | |
| GI Descrip. | '1084462/pir\|\|S53011 6.0e-14 RCg2 protein - rice >gi_786130 (L27209) RCc2 [Oryza sativa] >gi_786134 (L27210) root-specific protein [Oryza sativa]' | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15751 | Strand | + |
| Start | 6301 | End | 13556 |
| Name | OJ990331_08.9922.C8.o4.gs | Method | GENSCAN |
| Start | 8993 | End | 11487 |
| GI | none | Score | .76 |
| Exons | 8993..9366, 11334..11487 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15752 | Strand | - |
| Start | 1986 | End | 5169 |
| Name | OJ990331_08.9922.C8.o2.gs | Method | GENSCAN |
| Start | 1986 | End | 5169 |
| GI | none | Score | .99 |
| Exons | 1986..2258, 3317..3685, 3803..3946, 4043..4133, 4221..4325, 4440..4561, 4691..4812, 5025..5169 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o2.ts | Method | TBLASTX:Soybean |
| Start | 3034 | End | 3365 |
| GI | none | Score | 107 |
| Exons | 3034..3204, 3035..3199, 3317..3349, 3321..3365 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 9058 | End | 13550 |
| GI | none | Score | 51 |
| Exons | 9058..9078, 9059..9079, 9134..9199, 9145..9198, 9236..9400, 9289..9426, 13175..13348, 13224..13250, 13296..13349, 13311..13349, 13377..13412, 13389..13550, 13391..13549, 13467..13550 | | |

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|---|---|---|---|
| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 9152 | End | 13553 |
| GI | none | Score | 92 |
| Exons | 9152..9247, 9236..9403, 9283..9393, 13305..13406, 13307..13390, 13391..13543, 13392..13553 | | |

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| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |

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|---|---|---|---|
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 9154 | End | 13550 |
| GI | none | Score | 102 |
| Exons | 9154..9219, 9155..9247, 9242..9400, 9283..9393, 13304..13384, 13305..13397, 13391..13489, 13392..13550 | | |

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|---|---|---|---|
| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 9158 | End | 13550 |
| GI | none | Score | 57 |
| Exons | 9158..9199, 9170..9199, 9242..9400, 9289..9393, 13301..13348, 13308..13349, 13314..13349, 13391..13543, 13392..13550, 13392..13544 | | |

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|---|---|---|---|
| Seq. No. | 7463 | Seq. ID | OJ990331_08.9922.C8 |
| Gene No. | 15753 | Strand | - |
| Start | 13152 | End | 14373 |
| Name | OJ990331_08.9922.C8.o5.gs | Method | GENSCAN |
| Start | 13152 | End | 14373 |
| GI | none | Score | .94 |
| Exons | 13152..13578, 13696..13852, 14284..14373 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15754 | Strand | + |
| Start | 579 | End | 974 |
| Name | OJ990331_08.9922.C9.o1.gs | Method | GENSCAN |
| Start | 579 | End | 974 |
| GI | none | Score | 1 |
| Exons | 579..974 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15755 | Strand | + |
| Start | 5295 | End | 5723 |
| Name | OJ990331_08.9922.C9.o1.np | Method | AAT/NAP |
| Start | 5295 | End | 5720 |
| GI | 1084462 | Score | 523 |
| Exons | 5295..5720 | | |
| GI Descrip. | RCg2 protein - rice gi\|786130 (L27209) RCc2 [Oryza sativa] gi\|786134 (L27210) root-specific protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15755 | Strand | + |
| Start | 5295 | End | 5723 |
| Name | OJ990331_08.9922.C9.o3.gs | Method | GENSCAN |
| Start | 5295 | End | 5723 |
| GI | none | Score | .84 |
| Exons | 5295..5420, 5493..5723 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15756 | Strand | + |
| Start | 9650 | End | 10282 |
| Name | OJ990331_08.9922.C9.o2.gp | Method | AAT/GAP |
| Start | 9559 | End | 10282 |

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|---|---|---|---|
| GI | 586_1.R1084 | Score | 1390 |
| Exons | 9559..10282 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15756 | Strand | + |
| Start | 9650 | End | 10282 |
| Name | OJ990331_08.9922.C9.o2.np | Method | AAT/NAP |
| Start | 9650 | End | 10087 |
| GI | 1084462 | Score | 786 |
| Exons | 9650..10087 | | |
| GI Descrip. | RCg2 protein - rice gi\|786130 (L27209) RCc2 [Oryza sativa] gi\|786134 (L27210) root-specific protein [Oryza sativa] | | |

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| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15756 | Strand | + |
| Start | 9650 | End | 10282 |
| Name | OJ990331_08.9922.C9.o4.gs | Method | GENSCAN |
| Start | 9650 | End | 10090 |
| GI | none | Score | .98 |
| Exons | 9650..10090 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15757 | Strand | + |
| Start | 12265 | End | 12754 |
| Name | OJ990331_08.9922.C9.o5.gs | Method | GENSCAN |
| Start | 12265 | End | 12754 |
| GI | none | Score | .7 |
| Exons | 12265..12579, 12581..12754 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15757 | Strand | + |
| Start | 12265 | End | 12754 |
| Name | OJ990331_08.9922.C9.o3.np | Method | AAT/NAP |
| Start | 12292 | End | 12745 |
| GI | 1199772 | Score | 217 |
| Exons | 12292..12504, 12542..12745 | | |
| GI Descrip. | (D83226) extensin like protein [Populus nigra] gi\|1199774\|dbj\|BAA11855\| (D83227) extensin like protein [Populus nigra] | | |

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| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15758 | Strand | - |
| Start | 2750 | End | 12745 |
| Name | OJ990331_08.9922.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 617 | End | 12742 |
| GI | none | Score | 72 |
| Exons | 617..769, 627..710, 675..773, 810..971, 812..970, 5465..5515, 5469..5519, 5552..5641, 5553..5642, 5643..5720, 9712..9738, 9713..9739, 9838..9885, 9839..9889, 9989..10087, 9994..10086, 12463..12498, 12574..12678, 12632..12664, 12683..12742 | | |

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| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15758 | Strand | - |
| Start | 2750 | End | 12745 |
| Name | OJ990331_08.9922.C9.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 621 | End | 12745 |
| GI | none | Score | 270 |
| Exons | 621..989, 719..988, 5469..5642, 5561..5644, 5643..5720, 9839..9886, 9989..10087, 12463..12498, 12632..12664, 12683..12745 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15758 | Strand | - |
| Start | 2750 | End | 12745 |
| Name | OJ990331_08.9922.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 687 | End | 12742 |
| GI | none | Score | 96 |
| Exons | 687..827, 728..811, 812..964, 813..974, 5469..5564, 5474..5557, 5553..5642, 5576..5644, 5643..5723, 9839..9922, 9989..10090, 12463..12498, 12632..12664, 12683..12742 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15758 | Strand | - |
| Start | 2750 | End | 12745 |
| Name | OJ990331_08.9922.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 722 | End | 12742 |
| GI | none | Score | 62 |
| Exons | 722..769, 726..770, 735..770, 812..964, 813..971, 813..965, 5475..5516, 5475..5516, 5519..5713, 5559..5642, 5643..5720, 5643..5714, 9845..9886, 9845..9886, 9998..10087, 12683..12742 | | |

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|---|---|---|---|
| Seq. No. | 7464 | Seq. ID | OJ990331_08.9922.C9 |
| Gene No. | 15758 | Strand | - |
| Start | 2750 | End | 12745 |
| Name | OJ990331_08.9922.C9.o2.gs | Method | GENSCAN |
| Start | 2750 | End | 3232 |
| GI | none | Score | .58 |
| Exons | 2750..3115, 3155..3232 | | |

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|---|---|---|---|
| Seq. No. | 7465 | Seq. ID | OJ990331_08.9922.C10 |
| Gene No. | 15759 | Strand | + |
| Start | 244 | End | 3296 |
| Name | OJ990331_08.9922.C10.o1.gs | Method | GENSCAN |
| Start | 244 | End | 3296 |
| GI | none | Score | .84 |
| Exons | 244..270, 2898..3026, 3063..3296 | | |

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|---|---|---|---|
| Seq. No. | 7465 | Seq. ID | OJ990331_08.9922.C10 |
| Gene No. | 15760 | Strand | + |
| Start | 5183 | End | 6829 |
| Name | OJ990331_08.9922.C10.o2.gs | Method | GENSCAN |
| Start | 5183 | End | 6829 |
| GI | none | Score | .89 |
| Exons | 5183..5286, 5322..5467, 5552..5753, 6024..6150, 6188..6829 | | |

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|---|---|---|---|
| Seq. No. | 7465 | Seq. ID | OJ990331_08.9922.C10 |
| Gene No. | 15761 | Strand | - |
| Start | 626 | End | 3567 |
| Name | OJ990331_08.9922.C10.o1.gp | Method | AAT/GAP |
| Start | 626 | End | 3557 |
| GI | none | Score | 1214 |
| Exons | 626..904, 2934..3029, 3116..3202, 3333..3557 | | |

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|---|---|---|---|
| Seq. No. | 7465 | Seq. ID | OJ990331_08.9922.C10 |
| Gene No. | 15761 | Strand | - |
| Start | 626 | End | 3567 |
| Name | OJ990331_08.9922.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 662 | End | 3482 |
| GI | none | Score | 72 |
| Exons | 662..721, 844..903, 844..903, 845..904, 846..905, 2919..3035, 2938..2991, 2943..3032, 2944..3048, 2945..3043, 3116..3202, 3117..3200, 3333..3422, 3336..3422, 3372..3470, 3411..3482 | | |

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| Seq. No. | 7465 | Seq. ID | OJ990331_08.9922.C10 |
| Gene No. | 15761 | Strand | - |
| Start | 626 | End | 3567 |
| Name | OJ990331_08.9922.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 3006 | End | 3567 |
| GI | none | Score | 136 |
| Exons | 3006..3035, 3116..3202, 3117..3200, 3333..3488, 3336..3485, 3532..3567 | | |

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|---|---|---|---|
| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5156 |
| GI | 6466937 | Score | 2260 |
| Exons | 1..416, 444..3807, 5133..5156 | | |
| GI Descrip. | (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o1.gs | Method | GENSCAN |
| Start | 82 | End | 3968 |
| GI | none | Score | .48 |
| Exons | 82..2045, 2183..3722, 3795..3968 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 754 | End | 1059 |
| GI | none | Score | 248 |
| Exons | 754..1059, 886..1059 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 1294 | End | 1776 |
| GI | none | Score | 387 |
| Exons | 1294..1776, 1398..1718, 1414..1734 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |

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|---|---|---|---|
| Name | OJ990331_08.9922.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 1330 | End | 1644 |
| GI | none | Score | 207 |
| Exons | 1330..1644 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 1357 | End | 1830 |
| GI | none | Score | 607 |
| Exons | 1357..1830, 1398..1829, 1441..1830 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 1753 | End | 2112 |
| GI | none | Score | 291 |
| Exons | 1753..2112, 1824..2099 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o4.tw | Method | TBLASTX:Wheat |
| Start | 1825 | End | 2190 |
| GI | none | Score | 282 |
| Exons | 1825..2190, 1849..2166, 1872..2189 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 1833 | End | 2055 |
| GI | none | Score | 102 |
| Exons | 1833..2048, 1833..2048, 1834..2055, 1834..2052 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 2058 | End | 2684 |
| GI | none | Score | 122 |
| Exons | 2058..2195, 2059..2202, 2178..2585, 2201..2545, 2568..2684 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o3.tw | Method | TBLASTX:Wheat |
| Start | 2574 | End | 2969 |
| GI | none | Score | 247 |
| Exons | 2574..2858, 2664..2864, 2711..2968, 2810..2968, 2916..2969 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o1.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 2802 | End | 3434 |
| GI | none | Score | 76 |
| Exons | 2802..2864, 2804..3427, 2897..3106, 2916..3434 | | |

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|---|---|---|---|
| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 2918 | End | 3209 |
| GI | none | Score | 265 |
| Exons | 2918..3208, 2919..3209 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o2.tw | Method | TBLASTX:Wheat |
| Start | 3057 | End | 3641 |
| GI | none | Score | 291 |
| Exons | 3057..3434, 3152..3388, 3552..3641 | | |

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|---|---|---|---|
| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 3480 | End | 4105 |
| GI | none | Score | 315 |
| Exons | 3480..3905, 3620..3805, 3905..3952, 3906..3950, 4082..4105 | | |

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| Seq. No. | 7466 | Seq. ID | OJ990331_08.9922.C11 |
| Gene No. | 15762 | Strand | + |
| Start | 1 | End | 5156 |
| Name | OJ990331_08.9922.C11.o5.tw | Method | TBLASTX:Wheat |
| Start | 3642 | End | 3808 |
| GI | none | Score | 198 |
| Exons | 3642..3806, 3644..3808, 3650..3805 | | |

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|---|---|---|---|
| Seq. No. | 7467 | Seq. ID | OJ990331_08.9922.C12 |
| Gene No. | 15763 | Strand | - |
| Start | 643 | End | 826 |
| Name | OJ990331_08.9922.C12.o1.gs | Method | GENSCAN |
| Start | 643 | End | 826 |
| GI | none | Score | .94 |
| Exons | 643..826 | | |

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|---|---|---|---|
| Seq. No. | 7468 | Seq. ID | OJ990331_08.9922.C13 |
| Gene No. | 15764 | Strand | - |
| Start | 405 | End | 576 |
| Name | OJ990331_08.9922.C13.o1.gs | Method | GENSCAN |
| Start | 405 | End | 576 |
| GI | none | Score | .82 |
| Exons | 405..576 | | |

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|---|---|---|---|
| Seq. No. | 7469 | Seq. ID | OJ990331_08.9922.C14 |
| Gene No. | 15765 | Strand | - |
| Start | 426 | End | 533 |
| Name | OJ990331_08.9922.C14.o1.gs | Method | GENSCAN |
| Start | 426 | End | 533 |

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|---|---|---|---|
| GI | none | Score | .97 |
| Exons | 426..533 | | |

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| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15766 | Strand | + |
| Start | 63 | End | 929 |
| Name | OJ990331_08.9922.C15.o1.gs | Method | GENSCAN |
| Start | 63 | End | 929 |
| GI | none | Score | .87 |
| Exons | 63..929 | | |

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|---|---|---|---|
| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15766 | Strand | + |
| Start | 63 | End | 929 |
| Name | OJ990331_08.9922.C15.o1.np | Method | AAT/NAP |
| Start | 144 | End | 926 |
| GI | 4056615 | Score | 641 |
| Exons | 144..926 | | |
| GI Descrip. | (AF067401) Scl1 protein [Oryza sativa] | | |

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| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15766 | Strand | + |
| Start | 63 | End | 929 |
| Name | OJ990331_08.9922.C15.o1.gp | Method | AAT/GAP |
| Start | 275 | End | 693 |
| GI | none | Score | 783 |
| Exons | 275..693 | | |

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| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15767 | Strand | - |
| Start | 1002 | End | 1348 |
| Name | OJ990331_08.9922.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 35 | End | 929 |
| GI | none | Score | 136 |
| Exons | 35..121, 36..197, 57..149, 156..239, 164..211, 240..407, 257..406, 473..694, 474..722, 788..925, 789..929, 834..926 | | |

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|---|---|---|---|
| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15767 | Strand | - |
| Start | 1002 | End | 1348 |
| Name | OJ990331_08.9922.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 39 | End | 929 |
| GI | none | Score | 211 |
| Exons | 39..230, 41..301, 243..452, 473..571, 474..704, 788..928, 789..929 | | |

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|---|---|---|---|
| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15767 | Strand | - |
| Start | 1002 | End | 1348 |
| Name | OJ990331_08.9922.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 42 | End | 385 |
| GI | none | Score | 208 |
| Exons | 42..308, 54..254, 249..380, 254..385 | | |

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|---|---|---|---|
| Seq. No. | 7470 | Seq. ID | OJ990331_08.9922.C15 |
| Gene No. | 15767 | Strand | - |
| Start | 1002 | End | 1348 |

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|---|---|---|---|
| Name | OJ990331_08.9922.C15.o2.gp | Method | AAT/GAP |
| Start | 1002 | End | 1348 |
| GI | none | Score | 671 |
| Exons | 1002..1348 | | |

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|---|---|---|---|
| Seq. No. | 7471 | Seq. ID | OJ990331_08.9922.C16 |
| Gene No. | 15768 | Strand | + |
| Start | 1321 | End | 6414 |
| Name | OJ990331_08.9922.C16.o1.gs | Method | GENSCAN |
| Start | 1321 | End | 6414 |
| GI | none | Score | .7 |
| Exons | 1321..1407, 1574..1669, 2784..2930, 4444..4482, 4677..4781, 4964..5096, 5380..5536, 6300..6414 | | |

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|---|---|---|---|
| Seq. No. | 7471 | Seq. ID | OJ990331_08.9922.C16 |
| Gene No. | 15768 | Strand | + |
| Start | 1321 | End | 6414 |
| Name | OJ990331_08.9922.C16.o1.gp | Method | AAT/GAP |
| Start | 4090 | End | 4389 |
| GI | none | Score | 592 |
| Exons | 4090..4389 | | |

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|---|---|---|---|
| Seq. No. | 7472 | Seq. ID | OJ990331_08.9922.C17 |
| Gene No. | 15769 | Strand | + |
| Start | 426 | End | 547 |
| Name | OJ990331_08.9922.C17.o1.gp | Method | AAT/GAP |
| Start | 426 | End | 547 |
| GI | LIB3434-017-P1-K1-G9 | Score | 194 |
| Exons | 426..547 | | |
| GI Descrip. | '1084461/pir\|\|S53012 2.0e-10 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7472 | Seq. ID | OJ990331_08.9922.C17 |
| Gene No. | 15770 | Strand | - |
| Start | 272 | End | 347 |
| Name | OJ990331_08.9922.C17.o1.gs | Method | GENSCAN |
| Start | 272 | End | 347 |
| GI | none | Score | .6 |
| Exons | 272..347 | | |

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|---|---|---|---|
| Seq. No. | 7473 | Seq. ID | OJ990331_08.9922.C18 |
| Gene No. | 15771 | Strand | + |
| Start | 262 | End | 415 |
| Name | OJ990331_08.9922.C18.o1.gs | Method | GENSCAN |
| Start | 262 | End | 415 |
| GI | none | Score | .4 |
| Exons | 262..415 | | |

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|---|---|---|---|
| Seq. No. | 7474 | Seq. ID | OJ990331_08.9922.C20 |
| Gene No. | 15772 | Strand | + |
| Start | 456 | End | 686 |
| Name | OJ990331_08.9922.C20.o1.gp | Method | AAT/GAP |
| Start | 456 | End | 686 |
| GI | 586_1.R1084 | Score | 384 |
| Exons | 456..686 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7474 | Seq. ID | OJ990331_08.9922.C20 |
| Gene No. | 15772 | Strand | + |
| Start | 456 | End | 686 |
| Name | OJ990331_08.9922.C20.o1.np | Method | AAT/NAP |
| Start | 547 | End | 686 |
| GI | 1084460 | Score | 170 |
| Exons | 547..686 | | |
| GI Descrip. | RCc2 protein - rice | | |

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| Seq. No. | 7474 | Seq. ID | OJ990331_08.9922.C20 |
| Gene No. | 15773 | Strand | - |
| Start | 318 | End | 625 |
| Name | OJ990331_08.9922.C20.o1.gs | Method | GENSCAN |
| Start | 318 | End | 625 |
| GI | none | Score | .59 |
| Exons | 318..425, 513..625 | | |

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|---|---|---|---|
| Seq. No. | 7475 | Seq. ID | OJ990331_08.9922.C21 |
| Gene No. | 15774 | Strand | - |
| Start | 207 | End | 537 |
| Name | OJ990331_08.9922.C21.o1.gs | Method | GENSCAN |
| Start | 207 | End | 537 |
| GI | none | Score | .67 |
| Exons | 207..350, 447..537 | | |

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|---|---|---|---|
| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.np | Method | AAT/NAP |
| Start | 1 | End | 756 |
| GI | 4725942 | Score | 290 |
| Exons | 1..169, 382..550, 646..756 | | |
| GI Descrip. | (AL049730) putative trehalose-6-phosphate phosphatase (AtTPPA) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.tc | Method | TBLASTX:Cress |
| Start | 43 | End | 753 |
| GI | none | Score | 82 |
| Exons | 43..114, 407..553, 409..552, 621..752, 667..753 | | |

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| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.ts | Method | TBLASTX:Soybean |
| Start | 49 | End | 753 |
| GI | none | Score | 63 |
| Exons | 49..114, 404..550, 407..562, 415..552, 646..753, 666..740 | | |

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|---|---|---|---|
| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 55 | End | 756 |

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|---|---|---|---|
| GI | none | Score | 85 |
| Exons | 55..117, 55..117, 406..513, 409..552, 410..553, 410..553, 660..752, 661..756 | | |

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| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 409 | End | 753 |
| GI | none | Score | 172 |
| Exons | 409..552, 410..562, 646..753, 666..752 | | |

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|---|---|---|---|
| Seq. No. | 7476 | Seq. ID | OJ990331_08.9922.C22 |
| Gene No. | 15775 | Strand | + |
| Start | 1 | End | 756 |
| Name | OJ990331_08.9922.C22.o1.gs | Method | GENSCAN |
| Start | 410 | End | 738 |
| GI | none | Score | .98 |
| Exons | 410..550, 646..738 | | |

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|---|---|---|---|
| Seq. No. | 7477 | Seq. ID | OJ990331_08.9922.C26 |
| Gene No. | 15776 | Strand | - |
| Start | 387 | End | 450 |
| Name | OJ990331_08.9922.C26.o1.gs | Method | GENSCAN |
| Start | 387 | End | 450 |
| GI | none | Score | .93 |
| Exons | 387..450 | | |

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|---|---|---|---|
| Seq. No. | 7478 | Seq. ID | OJ990331_08.9922.C27 |
| Gene No. | 15777 | Strand | - |
| Start | 429 | End | 534 |
| Name | OJ990331_08.9922.C27.o1.gp | Method | AAT/GAP |
| Start | 429 | End | 534 |
| GI | LIB3477-003-P1-K1-E9 | Score | 160 |
| Exons | 429..534 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7479 | Seq. ID | OJ990331_08.9922.C30 |
| Gene No. | 15778 | Strand | + |
| Start | 310 | End | 351 |
| Name | OJ990331_08.9922.C30.o1.gs | Method | GENSCAN |
| Start | 310 | End | 351 |
| GI | none | Score | .53 |
| Exons | 310..351 | | |

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|---|---|---|---|
| Seq. No. | 7480 | Seq. ID | OJ990331_08.9922.C31 |
| Gene No. | 15779 | Strand | + |
| Start | 483 | End | 524 |
| Name | OJ990331_08.9922.C31.o1.gs | Method | GENSCAN |
| Start | 483 | End | 524 |
| GI | none | Score | .43 |
| Exons | 483..524 | | |

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| Seq. No. | 7481 | Seq. ID | OJ990501_25.9604.C3 |
| Gene No. | 15780 | Strand | |

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|---|---|---|---|
| Start | 37 | End | 462 |
| Name | OJ990501_25.9604.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 37 | End | 421 |
| GI | none | Score | 535 |
| Exons | 37..411, 38..421, 45..410 | | |

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|---|---|---|---|
| Seq. No. | 7481 | Seq. ID | OJ990501_25.9604.C3 |
| Gene No. | 15780 | Strand | |
| Start | 37 | End | 462 |
| Name | OJ990501_25.9604.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 188 | End | 462 |
| GI | none | Score | 349 |
| Exons | 188..460, 190..462 | | |

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|---|---|---|---|
| Seq. No. | 7481 | Seq. ID | OJ990501_25.9604.C3 |
| Gene No. | 15781 | Strand | |
| Start | 464 | End | 702 |
| Name | OJ990501_25.9604.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 464 | End | 702 |
| GI | none | Score | 218 |
| Exons | 464..655, 468..626, 500..640, | 664..702 | |

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|---|---|---|---|
| Seq. No. | 7482 | Seq. ID | OJ990501_25.9604.C9 |
| Gene No. | 15782 | Strand | + |
| Start | 65 | End | 485 |
| Name | OJ990501_25.9604.C9.o1.gp | Method | AAT/GAP |
| Start | 65 | End | 485 |
| GI | uC-osrocyp007c03b1 | Score | 842 |
| Exons | 65..485 | | |
| GI Descrip. | '2245012/emb\|CAB10432.1\| 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7482 | Seq. ID | OJ990501_25.9604.C9 |
| Gene No. | 15783 | Strand | |
| Start | 404 | End | 868 |
| Name | OJ990501_25.9604.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 404 | End | 868 |
| GI | none | Score | 234 |
| Exons | 404..670, 421..603, 461..550, | 755..868 | |

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|---|---|---|---|
| Seq. No. | 7483 | Seq. ID | OJ990501_25.9604.C10 |
| Gene No. | 15784 | Strand | + |
| Start | 281 | End | 804 |
| Name | OJ990501_25.9604.C10.o1.gp | Method | AAT/GAP |
| Start | 281 | End | 804 |
| GI | none | Score | 635 |
| Exons | 281..389, 563..804 | | |

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|---|---|---|---|
| Seq. No. | 7483 | Seq. ID | OJ990501_25.9604.C10 |
| Gene No. | 15785 | Strand | + |
| Start | 1167 | End | 1625 |
| Name | OJ990501_25.9604.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 1100 | End | 1608 |
| GI | none | Score | 72 |
| Exons | 1100..1291, 1143..1280, 1385..1522, 1396..1608, 1505..1537 | | |

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| Seq. No. | 7483 | Seq. ID | OJ990501_25.9604.C10 |

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|---|---|---|---|
| Gene No. | 15785 | Strand | + |
| Start | 1167 | End | 1625 |
| Name | OJ990501_25.9604.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 1100 | End | 1625 |
| GI | none | Score | 166 |
| Exons | 1100..1291, 1113..1271, 1114..1272, 1385..1606, 1396..1623, 1398..1625 | | |

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|---|---|---|---|
| Seq. No. | 7483 | Seq. ID | OJ990501_25.9604.C10 |
| Gene No. | 15785 | Strand | + |
| Start | 1167 | End | 1625 |
| Name | OJ990501_25.9604.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 1100 | End | 1605 |
| GI | none | Score | 113 |
| Exons | 1100..1291, 1101..1271, 1174..1272, 1396..1605 | | |

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|---|---|---|---|
| Seq. No. | 7483 | Seq. ID | OJ990501_25.9604.C10 |
| Gene No. | 15785 | Strand | + |
| Start | 1167 | End | 1625 |
| Name | OJ990501_25.9604.C10.o2.gp | Method | AAT/GAP |
| Start | 1167 | End | 1263 |
| GI | none | Score | 153 |
| Exons | 1167..1263 | | |

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|---|---|---|---|
| Seq. No. | 7484 | Seq. ID | OJ990501_25.9604.C12 |
| Gene No. | 15786 | Strand | + |
| Start | 2398 | End | 2578 |
| Name | OJ990501_25.9604.C12.o1.gp | Method | AAT/GAP |
| Start | 2398 | End | 2578 |
| GI | 5038744 | Score | 315 |
| Exons | 2398..2578 | | |

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|---|---|---|---|
| Seq. No. | 7485 | Seq. ID | OJ990501_25.9604.C13 |
| Gene No. | 15787 | Strand | |
| Start | 1170 | End | 1462 |
| Name | OJ990501_25.9604.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 1170 | End | 1462 |
| GI | none | Score | 232 |
| Exons | 1170..1460, 1170..1454, 1331..1462 | | |

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|---|---|---|---|
| Seq. No. | 7486 | Seq. ID | OJ990501_25.9604.C16 |
| Gene No. | 15788 | Strand | |
| Start | 561 | End | 1239 |
| Name | OJ990501_25.9604.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 561 | End | 1018 |
| GI | none | Score | 36 |
| Exons | 561..614, 596..1018, 717..836, 821..901, 876..998 | | |

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|---|---|---|---|
| Seq. No. | 7486 | Seq. ID | OJ990501_25.9604.C16 |
| Gene No. | 15788 | Strand | |
| Start | 561 | End | 1239 |
| Name | OJ990501_25.9604.C16.o2.tm | Method | TBLASTX:Maize |
| Start | 575 | End | 787 |
| GI | none | Score | 194 |
| Exons | 575..787 | | |

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| Seq. No. | 7486 | Seq. ID | OJ990501_25.9604.C16 |

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|---|---|---|---|
| Gene No. | 15788 | Strand | |
| Start | 561 | End | 1239 |
| Name | OJ990501_25.9604.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 788 | End | 1236 |
| GI | none | Score | 189 |
| Exons | 788..1135, 789..1136, 1118..1207, 1126..1209, 1141..1209, 1207..1236 | | |

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| Seq. No. | 7486 | Seq. ID | OJ990501_25.9604.C16 |
| Gene No. | 15788 | Strand | |
| Start | 561 | End | 1239 |
| Name | OJ990501_25.9604.C16.o2.tw | Method | TBLASTX:Wheat |
| Start | 1022 | End | 1239 |
| GI | none | Score | 105 |
| Exons | 1022..1135, 1118..1237, 1126..1236, 1130..1237, 1135..1239 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15789 | Strand | |
| Start | 11 | End | 404 |
| Name | OJ990501_25.9604.C17.o3.ts | Method | TBLASTX:Soybean |
| Start | 11 | End | 202 |
| GI | none | Score | 86 |
| Exons | 11..202, 12..197 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15789 | Strand | |
| Start | 11 | End | 404 |
| Name | OJ990501_25.9604.C17.o3.tw | Method | TBLASTX:Wheat |
| Start | 11 | End | 404 |
| GI | none | Score | 205 |
| Exons | 11..403, 12..242, 23..388, 297..404 | | |

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| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15789 | Strand | |
| Start | 11 | End | 404 |
| Name | OJ990501_25.9604.C17.o4.tm | Method | TBLASTX:Maize |
| Start | 24 | End | 346 |
| GI | none | Score | 100 |
| Exons | 24..230, 26..346, 38..259 | | |

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| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15790 | Strand | |
| Start | 467 | End | 976 |
| Name | OJ990501_25.9604.C17.o1.tw | Method | TBLASTX:Wheat |
| Start | 467 | End | 976 |
| GI | none | Score | 225 |
| Exons | 467..976, 551..898, 633..944 | | |

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| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15790 | Strand | |
| Start | 467 | End | 976 |
| Name | OJ990501_25.9604.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 542 | End | 904 |
| GI | none | Score | 154 |
| Exons | 542..850, 546..743, 551..904, 636..902 | | |

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| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |

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|---|---|---|---|
| Gene No. | 15790 | Strand | |
| Start | 467 | End | 976 |
| Name | OJ990501_25.9604.C17.o2.ts | Method | TBLASTX:Soybean |
| Start | 725 | End | 970 |
| GI | none | Score | 194 |
| Exons | 725..970 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15791 | Strand | |
| Start | 911 | End | 1813 |
| Name | OJ990501_25.9604.C17.o3.tm | Method | TBLASTX:Maize |
| Start | 911 | End | 1257 |
| GI | none | Score | 36 |
| Exons | 911..994, 912..941, 997..1257, 1004..1189 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15791 | Strand | |
| Start | 911 | End | 1813 |
| Name | OJ990501_25.9604.C17.o4.tw | Method | TBLASTX:Wheat |
| Start | 980 | End | 1278 |
| GI | none | Score | 218 |
| Exons | 980..1246, 988..1278, 1000..1278 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15791 | Strand | |
| Start | 911 | End | 1813 |
| Name | OJ990501_25.9604.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 995 | End | 1386 |
| GI | none | Score | 149 |
| Exons | 995..1246, 1000..1350, 1207..1350, 1325..1354, 1342..1386, 1354..1386 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15791 | Strand | |
| Start | 911 | End | 1813 |
| Name | OJ990501_25.9604.C17.o2.tm | Method | TBLASTX:Maize |
| Start | 1273 | End | 1744 |
| GI | none | Score | 126 |
| Exons | 1273..1740, 1370..1744 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15791 | Strand | |
| Start | 911 | End | 1813 |
| Name | OJ990501_25.9604.C17.o2.tw | Method | TBLASTX:Wheat |
| Start | 1327 | End | 1813 |
| GI | none | Score | 180 |
| Exons | 1327..1809, 1330..1698, 1370..1813 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15792 | Strand | |
| Start | 1970 | End | 2388 |
| Name | OJ990501_25.9604.C17.o6.tw | Method | TBLASTX:Wheat |
| Start | 1970 | End | 2388 |
| GI | none | Score | 101 |
| Exons | 1970..2125, 1972..2154, 1973..2128, 2179..2388, 2240..2338 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |

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|---|---|---|---|
| Gene No. | 15793 | Strand | |
| Start | 2665 | End | 3270 |
| Name | OJ990501_25.9604.C17.o7.tw | Method | TBLASTX:Wheat |
| Start | 2665 | End | 2907 |
| GI | none | Score | 90 |
| Exons | 2665..2742, 2715..2906, 2818..2907 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15793 | Strand | |
| Start | 2665 | End | 3270 |
| Name | OJ990501_25.9604.C17.o5.tm | Method | TBLASTX:Maize |
| Start | 2721 | End | 3026 |
| GI | none | Score | 97 |
| Exons | 2721..3026, 2772..3026, 2839..3009 | | |

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|---|---|---|---|
| Seq. No. | 7487 | Seq. ID | OJ990501_25.9604.C17 |
| Gene No. | 15793 | Strand | |
| Start | 2665 | End | 3270 |
| Name | OJ990501_25.9604.C17.o5.tw | Method | TBLASTX:Wheat |
| Start | 2907 | End | 3270 |
| GI | none | Score | 116 |
| Exons | 2907..3266, 2908..3141, 3166..3270 | | |

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|---|---|---|---|
| Seq. No. | 7488 | Seq. ID | OJ990501_25.9604.C21 |
| Gene No. | 15794 | Strand | |
| Start | 40 | End | 146 |
| Name | OJ990501_25.9604.C21.o2.tw | Method | TBLASTX:Wheat |
| Start | 40 | End | 146 |
| GI | none | Score | 131 |
| Exons | 40..144, 41..145, 54..146 | | |

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|---|---|---|---|
| Seq. No. | 7488 | Seq. ID | OJ990501_25.9604.C21 |
| Gene No. | 15795 | Strand | |
| Start | 66 | End | 711 |
| Name | OJ990501_25.9604.C21.o2.ts | Method | TBLASTX:Soybean |
| Start | 66 | End | 328 |
| GI | none | Score | 93 |
| Exons | 66..155, 66..146, 68..148, 163..327, 164..328 | | |

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|---|---|---|---|
| Seq. No. | 7488 | Seq. ID | OJ990501_25.9604.C21 |
| Gene No. | 15795 | Strand | |
| Start | 66 | End | 711 |
| Name | OJ990501_25.9604.C21.o1.tm | Method | TBLASTX:Maize |
| Start | 169 | End | 591 |
| GI | none | Score | 157 |
| Exons | 169..591, 170..550 | | |

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|---|---|---|---|
| Seq. No. | 7488 | Seq. ID | OJ990501_25.9604.C21 |
| Gene No. | 15795 | Strand | |
| Start | 66 | End | 711 |
| Name | OJ990501_25.9604.C21.o1.tw | Method | TBLASTX:Wheat |
| Start | 238 | End | 639 |
| GI | none | Score | 117 |
| Exons | 238..639, 239..592 | | |

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|---|---|---|---|
| Seq. No. | 7488 | Seq. ID | OJ990501_25.9604.C21 |
| Gene No. | 15795 | Strand | |

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|---|---|---|---|
| Start | 66 | End | 711 |
| Name | OJ990501_25.9604.C21.o1.ts | Method | TBLASTX:Soybean |
| Start | 352 | End | 711 |
| GI | none | Score | 125 |
| Exons | 352..711, 365..592 | | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15796 | Strand | |
| Start | 156 | End | 429 |
| Name | OJ990501_25.9604.C22.o2.tm | Method | TBLASTX:Maize |
| Start | 156 | End | 407 |
| GI | none | Score | 195 |
| Exons | 156..299, 157..297, 312..407 | | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15796 | Strand | |
| Start | 156 | End | 429 |
| Name | OJ990501_25.9604.C22.o3.tw | Method | TBLASTX:Wheat |
| Start | 246 | End | 429 |
| GI | none | Score | 143 |
| Exons | 246..428, 250..429 | | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15797 | Strand | |
| Start | 480 | End | 965 |
| Name | OJ990501_25.9604.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 480 | End | 728 |
| GI | none | Score | 116 |
| Exons | 480..728, 489..719, 496..723 | | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15797 | Strand | |
| Start | 480 | End | 965 |
| Name | OJ990501_25.9604.C22.o1.ts | Method | TBLASTX:Soybean |
| Start | 483 | End | 728 |
| GI | none | Score | 110 |
| Exons | 483..728, 489..719, 496..723 | | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15797 | Strand | |
| Start | 480 | End | 965 |
| Name | OJ990501_25.9604.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 483 | End | 965 |
| GI | none | Score | 123 |
| Exons | 483..677, 496..672, 510..686, 696..953 | 521..691, 690..965, 691..945, | |

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|---|---|---|---|
| Seq. No. | 7489 | Seq. ID | OJ990501_25.9604.C22 |
| Gene No. | 15798 | Strand | |
| Start | 1315 | End | 1638 |
| Name | OJ990501_25.9604.C22.o2.tw | Method | TBLASTX:Wheat |
| Start | 1315 | End | 1638 |
| GI | none | Score | 247 |
| Exons | 1315..1638, 1323..1628 | | |

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|---|---|---|---|
| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15799 | Strand | |

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|---|---|---|---|
| Start | 631 | End | 1050 |
| Name | OJ990501_25.9604.C26.o1.ts | Method | TBLASTX:Soybean |
| Start | 631 | End | 1050 |
| GI | none | Score | 267 |
| Exons | 631..1050, 936..1046, 943..1047 | | |

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|---|---|---|---|
| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15800 | Strand | |
| Start | 2242 | End | 2700 |
| Name | OJ990501_25.9604.C26.o1.tw | Method | TBLASTX:Wheat |
| Start | 2242 | End | 2690 |
| GI | none | Score | 293 |
| Exons | 2242..2679, 2286..2690 | | |

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|---|---|---|---|
| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15800 | Strand | |
| Start | 2242 | End | 2700 |
| Name | OJ990501_25.9604.C26.o2.tm | Method | TBLASTX:Maize |
| Start | 2406 | End | 2700 |
| GI | none | Score | 238 |
| Exons | 2406..2588, 2407..2700 | | |

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| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15801 | Strand | |
| Start | 2691 | End | 2976 |
| Name | OJ990501_25.9604.C26.o2.tw | Method | TBLASTX:Wheat |
| Start | 2691 | End | 2976 |
| GI | none | Score | 209 |
| Exons | 2691..2750, 2692..2976 | | |

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|---|---|---|---|
| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15801 | Strand | |
| Start | 2691 | End | 2976 |
| Name | OJ990501_25.9604.C26.o1.tm | Method | TBLASTX:Maize |
| Start | 2704 | End | 2976 |
| GI | none | Score | 269 |
| Exons | 2704..2976, 2715..2846, 2904..2933 | | |

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|---|---|---|---|
| Seq. No. | 7490 | Seq. ID | OJ990501_25.9604.C26 |
| Gene No. | 15801 | Strand | |
| Start | 2691 | End | 2976 |
| Name | OJ990501_25.9604.C26.o2.ts | Method | TBLASTX:Soybean |
| Start | 2782 | End | 2976 |
| GI | none | Score | 179 |
| Exons | 2782..2976 | | |

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|---|---|---|---|
| Seq. No. | 7491 | Seq. ID | OJ990501_25.9604.C27 |
| Gene No. | 15802 | Strand | |
| Start | 1189 | End | 1602 |
| Name | OJ990501_25.9604.C27.o1.tw | Method | TBLASTX:Wheat |
| Start | 1189 | End | 1602 |
| GI | none | Score | 383 |
| Exons | 1189..1602, 1197..1541 | | |

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|---|---|---|---|
| Seq. No. | 7492 | Seq. ID | OJ990501_25.9604.C32 |
| Gene No. | 15803 | Strand | + |
| Start | 141 | End | 641 |

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|---|---|---|---|
| Name | OJ990501_25.9604.C32.o1.tm | Method | TBLASTX:Maize |
| Start | 91 | End | 418 |
| GI | none | Score | 75 |
| Exons | 91..168, 93..185, 94..195, 96..197, 287..418, 288..413 | | |

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|---|---|---|---|
| Seq. No. | 7492 | Seq. ID | OJ990501_25.9604.C32 |
| Gene No. | 15803 | Strand | + |
| Start | 141 | End | 641 |
| Name | OJ990501_25.9604.C32.o1.tc | Method | TBLASTX:Cress |
| Start | 94 | End | 479 |
| GI | none | Score | 109 |
| Exons | 94..195, 94..195, 96..215, 287..424, 288..425, 429..479 | | |

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|---|---|---|---|
| Seq. No. | 7492 | Seq. ID | OJ990501_25.9604.C32 |
| Gene No. | 15803 | Strand | + |
| Start | 141 | End | 641 |
| Name | OJ990501_25.9604.C32.o1.ts | Method | TBLASTX:Soybean |
| Start | 94 | End | 473 |
| GI | none | Score | 98 |
| Exons | 94..195, 96..197, 275..424, 288..425, 390..473 | | |

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|---|---|---|---|
| Seq. No. | 7492 | Seq. ID | OJ990501_25.9604.C32 |
| Gene No. | 15803 | Strand | + |
| Start | 141 | End | 641 |
| Name | OJ990501_25.9604.C32.o1.gp | Method | AAT/GAP |
| Start | 141 | End | 641 |
| GI | 9464_1.R1084 | Score | 750 |
| Exons | 141..183, 288..641 | | |
| GI Descrip. | '1352468/sp\|P49175\|INV1_MAIZE 6.0e-32 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7493 | Seq. ID | OJ990501_25.9604.C37 |
| Gene No. | 15804 | Strand | |
| Start | 38 | End | 785 |
| Name | OJ990501_25.9604.C37.o1.tw | Method | TBLASTX:Wheat |
| Start | 38 | End | 355 |
| GI | none | Score | 319 |
| Exons | 38..355, 43..354, 185..355 | | |

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|---|---|---|---|
| Seq. No. | 7493 | Seq. ID | OJ990501_25.9604.C37 |
| Gene No. | 15804 | Strand | |
| Start | 38 | End | 785 |
| Name | OJ990501_25.9604.C37.o1.tm | Method | TBLASTX:Maize |
| Start | 188 | End | 785 |
| GI | none | Score | 309 |
| Exons | 188..466, 190..468, 192..506, 193..516, 463..783, 475..783, 477..785 | | |

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|---|---|---|---|
| Seq. No. | 7493 | Seq. ID | OJ990501_25.9604.C37 |
| Gene No. | 15804 | Strand | |
| Start | 38 | End | 785 |
| Name | OJ990501_25.9604.C37.o1.ts | Method | TBLASTX:Soybean |
| Start | 212 | End | 590 |
| GI | none | Score | 205 |
| Exons | 212..466, 271..465, 463..588, 528..590 | | |

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|---|---|---|---|
| Seq. No. | 7493 | Seq. ID | OJ990501_25.9604.C37 |
| Gene No. | 15804 | Strand | |
| Start | 38 | End | 785 |
| Name | OJ990501_25.9604.C37.o2.tw | Method | TBLASTX:Wheat |
| Start | 454 | End | 782 |
| GI | none | Score | 212 |
| Exons | 454..780, 534..782 | | |

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|---|---|---|---|
| Seq. No. | 7494 | Seq. ID | OJ990501_25.9604.C41 |
| Gene No. | 15805 | Strand | |
| Start | 3821 | End | 4533 |
| Name | OJ990501_25.9604.C41.o1.tc | Method | TBLASTX:Cress |
| Start | 3821 | End | 4293 |
| GI | none | Score | 143 |
| Exons | 3821..3901, 3821..3964, 3953..3970, 4074..4196, 4077..4202, 4078..4203, 4236..4292, 4237..4293 | | |

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|---|---|---|---|
| Seq. No. | 7494 | Seq. ID | OJ990501_25.9604.C41 |
| Gene No. | 15805 | Strand | |
| Start | 3821 | End | 4533 |
| Name | OJ990501_25.9604.C41.o1.ts | Method | TBLASTX:Soybean |
| Start | 4074 | End | 4464 |
| GI | none | Score | 201 |
| Exons | 4074..4202, 4078..4203, 4237..4293, 4254..4295, 4419..4460, 4420..4464 | | |

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|---|---|---|---|
| Seq. No. | 7494 | Seq. ID | OJ990501_25.9604.C41 |
| Gene No. | 15805 | Strand | |
| Start | 3821 | End | 4533 |
| Name | OJ990501_25.9604.C41.o1.tm | Method | TBLASTX:Maize |
| Start | 4077 | End | 4533 |
| GI | none | Score | 142 |
| Exons | 4077..4202, 4081..4293, 4083..4283, 4280..4306, 4402..4488, 4425..4487, 4426..4488, 4427..4489, 4501..4533 | | |

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|---|---|---|---|
| Seq. No. | 7495 | Seq. ID | OJ990501_25.9604.C49 |
| Gene No. | 15806 | Strand | |
| Start | 128 | End | 817 |
| Name | OJ990501_25.9604.C49.o2.tm | Method | TBLASTX:Maize |
| Start | 128 | End | 274 |
| GI | none | Score | 116 |
| Exons | 128..274, 135..269, 140..274 | | |

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|---|---|---|---|
| Seq. No. | 7495 | Seq. ID | OJ990501_25.9604.C49 |
| Gene No. | 15806 | Strand | |
| Start | 128 | End | 817 |
| Name | OJ990501_25.9604.C49.o2.tw | Method | TBLASTX:Wheat |
| Start | 129 | End | 280 |
| GI | none | Score | 160 |
| Exons | 129..278, 131..280 | | |

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|---|---|---|---|
| Seq. No. | 7495 | Seq. ID | OJ990501_25.9604.C49 |
| Gene No. | 15806 | Strand | |
| Start | 128 | End | 817 |
| Name | OJ990501_25.9604.C49.o1.ts | Method | TBLASTX:Soybean |
| Start | 131 | End | 388 |
| GI | none | Score | 128 |

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|---|---|---|---|
| Exons | 131..352, 132..284, 312..350, 356..388, 357..386 | | |
| Seq. No. | 7495 | Seq. ID | OJ990501_25.9604.C49 |
| Gene No. | 15806 | Strand | |
| Start | 128 | End | 817 |
| Name | OJ990501_25.9604.C49.o1.tm | Method | TBLASTX:Maize |
| Start | 275 | End | 707 |
| GI | none | Score | 77 |
| Exons | 275..469, 282..470, 495..707, 546..668 | | |
| Seq. No. | 7495 | Seq. ID | OJ990501_25.9604.C49 |
| Gene No. | 15806 | Strand | |
| Start | 128 | End | 817 |
| Name | OJ990501_25.9604.C49.o1.tw | Method | TBLASTX:Wheat |
| Start | 329 | End | 817 |
| GI | none | Score | 74 |
| Exons | 329..493, 372..470, 495..707, 510..698, 661..816, 677..817 | | |
| Seq. No. | 7496 | Seq. ID | OJ990501_25.9604.C52 |
| Gene No. | 15807 | Strand | |
| Start | 189 | End | 561 |
| Name | OJ990501_25.9604.C52.o1.tw | Method | TBLASTX:Wheat |
| Start | 189 | End | 561 |
| GI | none | Score | 79 |
| Exons | 189..560, 232..561 | | |
| Seq. No. | 7497 | Seq. ID | OJ990501_25.9604.C55 |
| Gene No. | 15808 | Strand | + |
| Start | 837 | End | 1293 |
| Name | OJ990501_25.9604.C55.o1.gp | Method | AAT/GAP |
| Start | 837 | End | 1293 |
| GI | 5003187 | Score | 790 |
| Exons | 837..1293 | | |
| GI Descrip. | 2245012/emb\|CAB10432.1\| 5.0e-10 (Z97341) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 7497 | Seq. ID | OJ990501_25.9604.C55 |
| Gene No. | 15809 | Strand | - |
| Start | 1848 | End | 2073 |
| Name | OJ990501_25.9604.C55.o1.ts | Method | TBLASTX:Soybean |
| Start | 1437 | End | 2040 |
| GI | none | Score | 72 |
| Exons | 1437..1598, 1441..1587, 1614..1727, 1627..1695, 1716..1745, 1729..1812, 1743..1829, 1830..2033, 1849..2040 | | |
| Seq. No. | 7497 | Seq. ID | OJ990501_25.9604.C55 |
| Gene No. | 15809 | Strand | - |
| Start | 1848 | End | 2073 |
| Name | OJ990501_25.9604.C55.o1.tc | Method | TBLASTX:Cress |
| Start | 1716 | End | 2018 |
| GI | none | Score | 91 |
| Exons | 1716..1826, 1717..1818, 1854..1910, 1858..1902, 1872..2018, 1941..2012 | | |
| Seq. No. | 7497 | Seq. ID | OJ990501_25.9604.C55 |
| Gene No. | 15809 | Strand | - |
| Start | 1848 | End | 2073 |

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|---|---|---|---|
| Name | OJ990501_25.9604.C55.o2.gp | Method | AAT/GAP |
| Start | 1848 | End | 2073 |
| GI | 5003188 | Score | 389 |
| Exons | 1848..2073 | | |
| GI Descrip. | 2245012/emb\|CAB10432.1\| 2.0e-37 (Z97341) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7498 | Seq. ID | OJ990501_25.9604.C65 |
| Gene No. | 15810 | Strand | - |
| Start | 98 | End | 1033 |
| Name | OJ990501_25.9604.C65.o1.gp | Method | AAT/GAP |
| Start | 98 | End | 1029 |
| GI | 12954_1.R1084 | Score | 1024 |
| Exons | 98..450, 817..1029 | | |
| GI Descrip. | '4646206/gb\|AAD26879.1\|AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]' | | |

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| Seq. No. | 7498 | Seq. ID | OJ990501_25.9604.C65 |
| Gene No. | 15810 | Strand | - |
| Start | 98 | End | 1033 |
| Name | OJ990501_25.9604.C65.o1.tm | Method | TBLASTX:Maize |
| Start | 358 | End | 1033 |
| GI | none | Score | 252 |
| Exons | 358..438, 413..445, 799..1029, 812..1027, 817..1029, 818..1033 | | |

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|---|---|---|---|
| Seq. No. | 7498 | Seq. ID | OJ990501_25.9604.C65 |
| Gene No. | 15810 | Strand | - |
| Start | 98 | End | 1033 |
| Name | OJ990501_25.9604.C65.o1.ts | Method | TBLASTX:Soybean |
| Start | 807 | End | 1029 |
| GI | none | Score | 135 |
| Exons | 807..959, 814..978, 817..984, 818..985, 979..1029 | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o1.ts | Method | TBLASTX:Soybean |
| Start | 272 | End | 1137 |
| GI | none | Score | 67 |
| Exons | 272..343, 292..345, 343..366, 382..486, 383..517, 395..487, 460..570, 485..565, 628..1041, 666..1043, 686..1072, 1050..1085, 1095..1136, 1099..1137 | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o1.tm | Method | TBLASTX:Maize |
| Start | 275 | End | 1139 |
| GI | none | Score | 344 |
| Exons | 275..562, 287..544, 291..560, 292..561, 619..1086, 635..1087, 639..1088, 954..1088, 1081..1125, 1082..1126, 1086..1139, 1090..1137 | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |

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|---|---|---|---|
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o1.gp | Method | AAT/GAP |
| Start | 293 | End | 1137 |
| GI | 12954_1.R1084 | Score | 1440 |
| Exons | 293..556, 640..1137 | | |
| GI Descrip. | '4646206/gb\|AAD26879.1\|AC007230_13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_AI100459 come from this gene. [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o1.tc | Method | TBLASTX:Cress |
| Start | 301 | End | 719 |
| GI | none | Score | 235 |
| Exons | 301..561, 308..562, 639..719, 640..717 | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o1.tw | Method | TBLASTX:Wheat |
| Start | 750 | End | 931 |
| GI | none | Score | 188 |
| Exons | 750..899, 750..899, 751..930, 755..931 | | |

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|---|---|---|---|
| Seq. No. | 7499 | Seq. ID | OJ990501_25.9604.C66 |
| Gene No. | 15811 | Strand | - |
| Start | 293 | End | 1161 |
| Name | OJ990501_25.9604.C66.o2.tc | Method | TBLASTX:Cress |
| Start | 864 | End | 1161 |
| GI | none | Score | 134 |
| Exons | 864..899, 934..1083, 936..1085, 937..1086, 1084..1137, 1086..1139, 1090..1161 | | |

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|---|---|---|---|
| Seq. No. | 7500 | Seq. ID | OJ990501_25.9604.C72 |
| Gene No. | 15812 | Strand | |
| Start | 1888 | End | 2178 |
| Name | OJ990501_25.9604.C72.o1.tw | Method | TBLASTX:Wheat |
| Start | 1888 | End | 2178 |
| GI | none | Score | 201 |
| Exons | 1888..2178 | | |

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|---|---|---|---|
| Seq. No. | 7500 | Seq. ID | OJ990501_25.9604.C72 |
| Gene No. | 15813 | Strand | |
| Start | 5018 | End | 5329 |
| Name | OJ990501_25.9604.C72.o2.tw | Method | TBLASTX:Wheat |
| Start | 5018 | End | 5272 |
| GI | none | Score | 159 |
| Exons | 5018..5059, 5099..5272 | | |

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|---|---|---|---|
| Seq. No. | 7500 | Seq. ID | OJ990501_25.9604.C72 |
| Gene No. | 15813 | Strand | |
| Start | 5018 | End | 5329 |
| Name | OJ990501_25.9604.C72.o1.tm | Method | TBLASTX:Maize |
| Start | 5075 | End | 5329 |
| GI | none | Score | 101 |

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|---|---|---|---|
| Exons | 5075..5176, 5076..5177, 5156..5329, 5157..5216 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15814 | Strand | |
| Start | 296 | End | 722 |
| Name | OJ990501_25.9604.C74.o1.tm | Method | TBLASTX:Maize |
| Start | 296 | End | 649 |
| GI | none | Score | 155 |
| Exons | 296..649, 299..595, 301..627, 333..647 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15814 | Strand | |
| Start | 296 | End | 722 |
| Name | OJ990501_25.9604.C74.o1.tw | Method | TBLASTX:Wheat |
| Start | 296 | End | 722 |
| GI | none | Score | 119 |
| Exons | 296..721, 298..660, 311..664, 348..722 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15814 | Strand | |
| Start | 296 | End | 722 |
| Name | OJ990501_25.9604.C74.o2.ts | Method | TBLASTX:Soybean |
| Start | 470 | End | 715 |
| GI | none | Score | 205 |
| Exons | 470..715 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15815 | Strand | |
| Start | 656 | End | 1115 |
| Name | OJ990501_25.9604.C74.o3.tm | Method | TBLASTX:Maize |
| Start | 656 | End | 1003 |
| GI | none | Score | 67 |
| Exons | 656..1003, 801..971 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15815 | Strand | |
| Start | 656 | End | 1115 |
| Name | OJ990501_25.9604.C74.o2.tw | Method | TBLASTX:Wheat |
| Start | 728 | End | 1024 |
| GI | none | Score | 174 |
| Exons | 728..1024, 765..980 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15815 | Strand | |
| Start | 656 | End | 1115 |
| Name | OJ990501_25.9604.C74.o1.ts | Method | TBLASTX:Soybean |
| Start | 737 | End | 1115 |
| GI | none | Score | 142 |
| Exons | 737..1054, 765..980, 1047..1115 | | |
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15816 | Strand | |
| Start | 1255 | End | 1563 |
| Name | OJ990501_25.9604.C74.o3.tw | Method | TBLASTX:Wheat |
| Start | 1255 | End | 1563 |
| GI | none | Score | 160 |
| Exons | 1255..1563, 1256..1459, 1261..1536 | | |

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|---|---|---|---|
| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15816 | Strand | |
| Start | 1255 | End | 1563 |
| Name | OJ990501_25.9604.C74.o2.tm | Method | TBLASTX:Maize |
| Start | 1264 | End | 1551 |
| GI | none | Score | 177 |
| Exons | 1264..1551, 1265..1450 | | |

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| Seq. No. | 7501 | Seq. ID | OJ990501_25.9604.C74 |
| Gene No. | 15817 | Strand | |
| Start | 1567 | End | 1902 |
| Name | OJ990501_25.9604.C74.o4.tw | Method | TBLASTX:Wheat |
| Start | 1567 | End | 1902 |
| GI | none | Score | 56 |
| Exons | 1567..1665, 1568..1642, 1741..1902, 1748..1885 | | |

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|---|---|---|---|
| Seq. No. | 7502 | Seq. ID | OJ990501_25.9604.C75 |
| Gene No. | 15818 | Strand | - |
| Start | 2345 | End | 2837 |
| Name | OJ990501_25.9604.C75.o1.tm | Method | TBLASTX:Maize |
| Start | 45 | End | 302 |
| GI | none | Score | 205 |
| Exons | 45..302 | | |

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| Seq. No. | 7502 | Seq. ID | OJ990501_25.9604.C75 |
| Gene No. | 15818 | Strand | - |
| Start | 2345 | End | 2837 |
| Name | OJ990501_25.9604.C75.o1.tw | Method | TBLASTX:Wheat |
| Start | 183 | End | 560 |
| GI | none | Score | 264 |
| Exons | 183..560 | | |

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|---|---|---|---|
| Seq. No. | 7502 | Seq. ID | OJ990501_25.9604.C75 |
| Gene No. | 15818 | Strand | - |
| Start | 2345 | End | 2837 |
| Name | OJ990501_25.9604.C75.o1.gp | Method | AAT/GAP |
| Start | 2345 | End | 2837 |
| GI | 38782_1.R1084 | Score | 812 |
| Exons | 2345..2837 | | |
| GI Descrip. | '6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12' | | |

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|---|---|---|---|
| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o1.gp | Method | AAT/GAP |
| Start | 88 | End | 654 |
| GI | 569631 | Score | 568 |
| Exons | 88..281, 460..654 | | |
| GI Descrip. | 4154281 5.0e-50 (AF082347) C13 endopeptidase NP1 precursor [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o1.tc | Method | TBLASTX:Cress |

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|---|---|---|---|
| Start | 123 | End | 627 |
| GI | none | Score | 140 |
| Exons | 123..284, 124..282, 458..625, 460..627 | | |

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|---|---|---|---|
| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o1.tm | Method | TBLASTX:Maize |
| Start | 123 | End | 627 |
| GI | none | Score | 185 |
| Exons | 123..284, 124..282, 178..291, 458..625, 460..627, 460..627 | | |

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| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o2.ts | Method | TBLASTX:Soybean |
| Start | 123 | End | 284 |
| GI | none | Score | 130 |
| Exons | 123..284, 124..282 | | |

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| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o1.tw | Method | TBLASTX:Wheat |
| Start | 458 | End | 627 |
| GI | none | Score | 197 |
| Exons | 458..625, 460..627 | | |

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| Seq. No. | 7503 | Seq. ID | OJ990501_25.9604.C79 |
| Gene No. | 15819 | Strand | - |
| Start | 88 | End | 654 |
| Name | OJ990501_25.9604.C79.o1.ts | Method | TBLASTX:Soybean |
| Start | 463 | End | 627 |
| GI | none | Score | 216 |
| Exons | 463..627, 464..625, 466..561 | | |

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|---|---|---|---|
| Seq. No. | 7504 | Seq. ID | OJ990501_25.9604.C84 |
| Gene No. | 15820 | Strand | - |
| Start | 1 | End | 228 |
| Name | OJ990501_25.9604.C84.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 228 |
| GI | LIB3474-001-P1-K1-F4 | Score | 386 |
| Exons | 1..228 | | |
| GI Descrip. | '5541710/emb\|CAB51215.1\| 5.0e-10 (AL096860) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7505 | Seq. ID | OJ990501_25.9604.C85 |
| Gene No. | 15821 | Strand | |
| Start | 39 | End | 792 |
| Name | OJ990501_25.9604.C85.o1.tw | Method | TBLASTX:Wheat |
| Start | 39 | End | 555 |
| GI | none | Score | 562 |
| Exons | 39..554, 40..555 | | |

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| Seq. No. | 7505 | Seq. ID | OJ990501_25.9604.C85 |
| Gene No. | 15821 | Strand | |
| Start | 39 | End | 792 |

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|---|---|---|---|
| Name | OJ990501_25.9604.C85.o1.tm | Method | TBLASTX:Maize |
| Start | 108 | End | 705 |
| GI | none | Score | 88 |
| Exons | 108..260, 109..261, 112..270, 117..263, 266..349, 267..449, 267..695, 268..705, 640..705 | | |

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| Seq. No. | 7505 | Seq. ID | OJ990501_25.9604.C85 |
| Gene No. | 15821 | Strand | |
| Start | 39 | End | 792 |
| Name | OJ990501_25.9604.C85.o2.tw | Method | TBLASTX:Wheat |
| Start | 558 | End | 792 |
| GI | none | Score | 242 |
| Exons | 558..791, 559..792, 582..638 | | |

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|---|---|---|---|
| Seq. No. | 7506 | Seq. ID | OJ990501_25.9604.C88 |
| Gene No. | 15822 | Strand | - |
| Start | 39 | End | 168 |
| Name | OJ990501_25.9604.C88.o1.gp | Method | AAT/GAP |
| Start | 39 | End | 168 |
| GI | 2310646 | Score | 225 |
| Exons | 39..168 | | |

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|---|---|---|---|
| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o1.tm | Method | TBLASTX:Maize |
| Start | 69 | End | 531 |
| GI | none | Score | 46 |
| Exons | 69..185, 177..284, 179..283, 189..284, 190..285, 240..410, 276..410, 277..411, 463..531 | | |

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|---|---|---|---|
| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o1.ts | Method | TBLASTX:Soybean |
| Start | 82 | End | 4325 |
| GI | none | Score | 34 |
| Exons | 82..99, 189..230, 190..231, 241..276, 243..278, 291..410, 292..408, 454..723, 561..728, 4138..4308, 4146..4223, 4263..4325 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o3.tw | Method | TBLASTX:Wheat |
| Start | 90 | End | 405 |
| GI | none | Score | 36 |
| Exons | 90..185, 189..275, 190..279, 277..357, 364..405 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o1.tc | Method | TBLASTX:Cress |
| Start | 129 | End | 4308 |
| GI | none | Score | 39 |
| Exons | 129..185, 189..230, 190..234, 241..276, 243..278, 291..410, 292..408, 454..582, 565..723, 591..719, 4138..4248, 4146..4211, 4206..4298, 4252..4308 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o1.gp | Method | AAT/GAP |
| Start | 426 | End | 4375 |
| GI | 17607_1.R1084 | Score | 854 |
| Exons | 426..723, 4144..4375 | | |
| GI Descrip. | '1352468/sp\|P49175\|INV1_MAIZE 2.0e-77 BETA-FRUCTOFURANOSIDASE 1 PRECURSOR (SUCROSE-6-PHOSPHATE HYDROLASE 1) (INVERTASE 1) >gi_1122439 (U16123) invertase [Zea mays]' | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o1.tw | Method | TBLASTX:Wheat |
| Start | 469 | End | 723 |
| GI | none | Score | 310 |
| Exons | 469..723, 564..716, 604..723 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o2.tm | Method | TBLASTX:Maize |
| Start | 546 | End | 717 |
| GI | none | Score | 273 |
| Exons | 546..716, 547..717 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o2.tw | Method | TBLASTX:Wheat |
| Start | 4138 | End | 4308 |
| GI | none | Score | 175 |
| Exons | 4138..4308, 4138..4275, 4143..4283 | | |

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| Seq. No. | 7507 | Seq. ID | OJ990501_25.9604.C91 |
| Gene No. | 15823 | Strand | + |
| Start | 426 | End | 4375 |
| Name | OJ990501_25.9604.C91.o3.tm | Method | TBLASTX:Maize |
| Start | 4138 | End | 4308 |
| GI | none | Score | 216 |
| Exons | 4138..4308, 4140..4307 | | |

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| Seq. No. | 7508 | Seq. ID | OJ990501_25.9604.C92 |
| Gene No. | 15824 | Strand | |
| Start | 2069 | End | 2420 |
| Name | OJ990501_25.9604.C92.o1.tw | Method | TBLASTX:Wheat |
| Start | 2069 | End | 2420 |
| GI | none | Score | 286 |
| Exons | 2069..2263, 2070..2420 | | |

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|---|---|---|---|
| Seq. No. | 7508 | Seq. ID | OJ990501_25.9604.C92 |
| Gene No. | 15824 | Strand | |
| Start | 2069 | End | 2420 |
| Name | OJ990501_25.9604.C92.o1.tm | Method | TBLASTX:Maize |
| Start | 2070 | End | 2375 |

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|---|---|---|---|
| GI | none | Score | 222 |
| Exons | 2070..2375, 2084..2248 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15825 | Strand | |
| Start | 360 | End | 816 |
| Name | OJ990501_25.9604.C93.o4.tw | Method | TBLASTX:Wheat |
| Start | 360 | End | 816 |
| GI | none | Score | 52 |
| Exons | 360..779, 364..414, 438..590, 469..810, 499..816 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15825 | Strand | |
| Start | 360 | End | 816 |
| Name | OJ990501_25.9604.C93.o5.tm | Method | TBLASTX:Maize |
| Start | 375 | End | 665 |
| GI | none | Score | 51 |
| Exons | 375..665, 376..414, 472..663 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15826 | Strand | |
| Start | 733 | End | 1194 |
| Name | OJ990501_25.9604.C93.o4.tm | Method | TBLASTX:Maize |
| Start | 733 | End | 1194 |
| GI | none | Score | 62 |
| Exons | 733..780, 769..873, 880..1194, 1020..1073, 1101..1151 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15826 | Strand | |
| Start | 733 | End | 1194 |
| Name | OJ990501_25.9604.C93.o1.ts | Method | TBLASTX:Soybean |
| Start | 784 | End | 1143 |
| GI | none | Score | 470 |
| Exons | 784..1143, 786..821, 867..1142 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15826 | Strand | |
| Start | 733 | End | 1194 |
| Name | OJ990501_25.9604.C93.o5.tw | Method | TBLASTX:Wheat |
| Start | 856 | End | 1158 |
| GI | none | Score | 387 |
| Exons | 856..1158, 867..1142 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15827 | Strand | |
| Start | 1159 | End | 1593 |
| Name | OJ990501_25.9604.C93.o3.tw | Method | TBLASTX:Wheat |
| Start | 1159 | End | 1584 |
| GI | none | Score | 579 |
| Exons | 1159..1584, 1191..1580, 1222..1584 | | |

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| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15827 | Strand | |
| Start | 1159 | End | 1593 |
| Name | OJ990501_25.9604.C93.o3.ts | Method | TBLASTX:Soybean |
| Start | 1165 | End | 1410 |
| GI | none | Score | 205 |

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|---|---|---|---|
| Exons | 1165..1410, 1182..1409 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15827 | Strand | |
| Start | 1159 | End | 1593 |
| Name | OJ990501_25.9604.C93.o2.tm | Method | TBLASTX:Maize |
| Start | 1230 | End | 1593 |
| GI | none | Score | 465 |
| Exons | 1230..1580, 1231..1584, 1231..1593 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o2.tw | Method | TBLASTX:Wheat |
| Start | 1615 | End | 2151 |
| GI | none | Score | 650 |
| Exons | 1615..2151, 1671..2150 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o1.tc | Method | TBLASTX:Cress |
| Start | 1858 | End | 2175 |
| GI | none | Score | 91 |
| Exons | 1858..2031, 2034..2174, 2035..2175 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o2.ts | Method | TBLASTX:Soybean |
| Start | 1939 | End | 2199 |
| GI | none | Score | 292 |
| Exons | 1939..2199, 1944..2198 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o3.tm | Method | TBLASTX:Maize |
| Start | 1997 | End | 2289 |
| GI | none | Score | 85 |
| Exons | 1997..2149, 1998..2285, 1999..2289 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o1.tw | Method | TBLASTX:Wheat |
| Start | 2158 | End | 2784 |
| GI | none | Score | 692 |
| Exons | 2158..2784, 2214..2783 | | |
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o1.tm | Method | TBLASTX:Maize |
| Start | 2338 | End | 2937 |
| GI | none | Score | 230 |
| Exons | 2338..2499, 2346..2492, 2497..2937, 2499..2921, 2659..2922 | | |

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|---|---|---|---|
| Seq. No. | 7509 | Seq. ID | OJ990501_25.9604.C93 |
| Gene No. | 15828 | Strand | |
| Start | 1615 | End | 3117 |
| Name | OJ990501_25.9604.C93.o6.tw | Method | TBLASTX:Wheat |
| Start | 2784 | End | 3117 |
| GI | none | Score | 323 |
| Exons | 2784..3053, 2785..3117, 2788..3096 | | |

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| Seq. No. | 7510 | Seq. ID | OJ990501_25.9604.C96 |
| Gene No. | 15829 | Strand | + |
| Start | 823 | End | 1204 |
| Name | OJ990501_25.9604.C96.o1.gp | Method | AAT/GAP |
| Start | 823 | End | 1204 |
| GI | uC-osflcyp033a04b1 | Score | 683 |
| Exons | 823..1204 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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|---|---|---|---|
| Seq. No. | 7511 | Seq. ID | OJ990501_25.9604.C99 |
| Gene No. | 15830 | Strand | |
| Start | 171 | End | 385 |
| Name | OJ990501_25.9604.C99.o1.tm | Method | TBLASTX:Maize |
| Start | 171 | End | 385 |
| GI | none | Score | 131 |
| Exons | 171..281, 171..275, 253..330, 266..385, 269..385 | | |

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|---|---|---|---|
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15831 | Strand | |
| Start | 46 | End | 304 |
| Name | OJ990501_25.9604.C100.o3.tw | Method | TBLASTX:Wheat |
| Start | 46 | End | 304 |
| GI | none | Score | 68 |
| Exons | 46..135, 47..136, 166..303, 167..304 | | |

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|---|---|---|---|
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o2.tw | Method | TBLASTX:Wheat |
| Start | 307 | End | 739 |
| GI | none | Score | 89 |
| Exons | 307..735, 527..739 | | |

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|---|---|---|---|
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o1.tm | Method | TBLASTX:Maize |
| Start | 394 | End | 837 |
| GI | none | Score | 55 |
| Exons | 394..420, 418..555, 430..549, 583..837, 584..805 | | |

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|---|---|---|---|
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o1.ts | Method | TBLASTX:Soybean |
| Start | 505 | End | 936 |
| GI | none | Score | 154 |

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|---|---|---|---|
| Exons | 505..936, 539..889 | | |
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o1.tw | Method | TBLASTX:Wheat |
| Start | 781 | End | 1200 |
| GI | none | Score | 246 |
| Exons | 781..1200, 782..1198 | | |
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o2.tm | Method | TBLASTX:Maize |
| Start | 1075 | End | 1333 |
| GI | none | Score | 172 |
| Exons | 1075..1332, 1079..1333 | | |
| Seq. No. | 7512 | Seq. ID | OJ990501_25.9604.C100 |
| Gene No. | 15832 | Strand | |
| Start | 307 | End | 1333 |
| Name | OJ990501_25.9604.C100.o4.tw | Method | TBLASTX:Wheat |
| Start | 1201 | End | 1329 |
| GI | none | Score | 106 |
| Exons | 1201..1329, 1202..1327 | | |
| Seq. No. | 7513 | Seq. ID | OJ990501_25.9604.C101 |
| Gene No. | 15833 | Strand | - |
| Start | 1 | End | 266 |
| Name | OJ990501_25.9604.C101.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 266 |
| GI | LIB3431-058-P1-N1-E6 | Score | 457 |
| Exons | 1..266 | | |
| GI Descrip. | '4895238/gb\|AAD32823.1\|AC007659_5 3.0e-22 (AC007659) unknown protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7514 | Seq. ID | OJ990501_25.9604.C105 |
| Gene No. | 15834 | Strand | |
| Start | 720 | End | 1149 |
| Name | OJ990501_25.9604.C105.o1.tw | Method | TBLASTX:Wheat |
| Start | 720 | End | 1125 |
| GI | none | Score | 436 |
| Exons | 720..1124, 721..1125 | | |
| Seq. No. | 7514 | Seq. ID | OJ990501_25.9604.C105 |
| Gene No. | 15834 | Strand | |
| Start | 720 | End | 1149 |
| Name | OJ990501_25.9604.C105.o1.tm | Method | TBLASTX:Maize |
| Start | 799 | End | 1149 |
| GI | none | Score | 354 |
| Exons | 799..1149, 840..1145 | | |
| Seq. No. | 7514 | Seq. ID | OJ990501_25.9604.C105 |
| Gene No. | 15835 | Strand | |
| Start | 1125 | End | 1287 |
| Name | OJ990501_25.9604.C105.o2.tw | Method | TBLASTX:Wheat |
| Start | 1125 | End | 1287 |

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|---|---|---|---|
| GI | none | Score | 186 |
| Exons | 1125..1283, 1126..1287 | | |

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|---|---|---|---|
| Seq. No. | 7515 | Seq. ID | OJ990501_25.9604.C106 |
| Gene No. | 15836 | Strand | - |
| Start | 53 | End | 115 |
| Name | OJ990501_25.9604.C106.o1.gp | Method | AAT/GAP |
| Start | 53 | End | 115 |
| GI | 3760640 | Score | 62 |
| Exons | 53..115 | | |
| GI Descrip. | 4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7516 | Seq. ID | OJ990501_25.9604.C108 |
| Gene No. | 15837 | Strand | |
| Start | 727 | End | 1005 |
| Name | OJ990501_25.9604.C108.o1.ts | Method | TBLASTX:Soybean |
| Start | 727 | End | 1005 |
| GI | none | Score | 204 |
| Exons | 727..1005 | | |

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|---|---|---|---|
| Seq. No. | 7517 | Seq. ID | OJ990501_25.9604.C109 |
| Gene No. | 15838 | Strand | |
| Start | 168 | End | 413 |
| Name | OJ990501_25.9604.C109.o2.tm | Method | TBLASTX:Maize |
| Start | 168 | End | 413 |
| GI | none | Score | 183 |
| Exons | 168..389, 229..393, 248..409, 252..413 | | |

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|---|---|---|---|
| Seq. No. | 7517 | Seq. ID | OJ990501_25.9604.C109 |
| Gene No. | 15839 | Strand | |
| Start | 480 | End | 998 |
| Name | OJ990501_25.9604.C109.o1.ts | Method | TBLASTX:Soybean |
| Start | 480 | End | 884 |
| GI | none | Score | 78 |
| Exons | 480..599, 672..884, 752..883 | | |

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|---|---|---|---|
| Seq. No. | 7517 | Seq. ID | OJ990501_25.9604.C109 |
| Gene No. | 15839 | Strand | |
| Start | 480 | End | 998 |
| Name | OJ990501_25.9604.C109.o1.tm | Method | TBLASTX:Maize |
| Start | 483 | End | 932 |
| GI | none | Score | 127 |
| Exons | 483..599, 512..931, 648..932 | | |

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|---|---|---|---|
| Seq. No. | 7517 | Seq. ID | OJ990501_25.9604.C109 |
| Gene No. | 15839 | Strand | |
| Start | 480 | End | 998 |
| Name | OJ990501_25.9604.C109.o1.tw | Method | TBLASTX:Wheat |
| Start | 645 | End | 998 |
| GI | none | Score | 253 |
| Exons | 645..998, 764..943 | | |

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|---|---|---|---|
| Seq. No. | 7518 | Seq. ID | OJ990531_32.9A01.C1 |
| Gene No. | 15840 | Strand | + |
| Start | 808 | End | 1160 |
| Name | OJ990531_32.9A01.C1.o1.gp | Method | AAT/GAP |

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|---|---|---|---|
| Start | 808 | End | 1160 |
| GI | none | Score | 613 |
| Exons | 808..1160 | | |

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|---|---|---|---|
| Seq. No. | 7518 | Seq. ID | OJ990531_32.9A01.C1 |
| Gene No. | 15840 | Strand | + |
| Start | 808 | End | 1160 |
| Name | OJ990531_32.9A01.C1.o1.gs | Method | GENSCAN |
| Start | 859 | End | 1109 |
| GI | none | Score | .76 |
| Exons | 859..1109 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15841 | Strand | + |
| Start | 7677 | End | 16575 |
| Name | OJ990531_32.9A01.C2.o3.gs | Method | GENSCAN |
| Start | 7677 | End | 16202 |
| GI | none | Score | .69 |
| Exons | 7677..7746, 8560..8700, 8839..9066, 9178..9655, 10781..10865, 12468..12731, 13253..13356, 13427..13491, 13576..13830, 14311..14582, 14632..14774, 14856..14988, 15555..15846, 15922..16202 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15841 | Strand | + |
| Start | 7677 | End | 16575 |
| Name | OJ990531_32.9A01.C2.o1.gp | Method | AAT/GAP |
| Start | 11115 | End | 11222 |
| GI | uC-osflcyp088b12b1 | Score | 164 |
| Exons | 11115..11222 | | |
| GI Descrip. | '5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07' | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15841 | Strand | + |
| Start | 7677 | End | 16575 |
| Name | OJ990531_32.9A01.C2.o1.np | Method | AAT/NAP |
| Start | 14439 | End | 16421 |
| GI | 2498706 | Score | 983 |
| Exons | 14439..14582, 14668..14774, 14856..14988, 15555..15846, 15922..16149, 16225..16421 | | |
| GI Descrip. | ORIGIN RECOGNITION COMPLEX SUBUNIT 2 gi\|1113103 (U40269) atOrc2p [Arabidopsis thaliana] gi\|3236239\|gb\|AAC23627.1\| (AC004684) origin recognition complex protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15841 | Strand | + |
| Start | 7677 | End | 16575 |
| Name | OJ990531_32.9A01.C2.o2.gp | Method | AAT/GAP |
| Start | 14511 | End | 15844 |
| GI | 920_1.R1084 | Score | 1049 |
| Exons | 14511..14582, 14668..14774, 14856..14988, 15555..15844 | | |
| GI Descrip. | '2498706/sp\|Q38899\|ORC2_ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15841 | Strand | + |
| Start | 7677 | End | 16575 |
| Name | OJ990531_32.9A01.C2.o3.gp | Method | AAT/GAP |
| Start | 16067 | End | 16575 |
| GI | 3768922 | Score | 697 |
| Exons | 16067..16149, 16225..16575 | | |
| GI Descrip. | 2498706/sp\|Q38899\|ORC2_ARATH 2.0e-16 ORIGIN RECOGNITION COMPLEX SUBUNIT 2 >gi_1113103 (U40269) atOrc2p [Arabidopsis thaliana] >gi_3236239 (AC004684) origin recognition complex protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15842 | Strand | - |
| Start | 180 | End | 2100 |
| Name | OJ990531_32.9A01.C2.o1.gs | Method | GENSCAN |
| Start | 180 | End | 2100 |
| GI | none | Score | .69 |
| Exons | 180..365, 1954..2100 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15843 | Strand | - |
| Start | 16815 | End | 17049 |
| Name | OJ990531_32.9A01.C2.o4.gp | Method | AAT/GAP |
| Start | 16815 | End | 17049 |
| GI | 427687 | Score | 422 |
| Exons | 16815..17049 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o2.tc | Method | TBLASTX:Cress |
| Start | 8635 | End | 21240 |
| GI | none | Score | 42 |
| Exons | 8635..8700, 8800..8853, 17073..17117, 17118..17147, 17119..17151, 17272..17538, 17274..17537, 17657..17800, 17665..17802, 18549..18650, 18550..18645, 18917..19153, 18918..19088, 19613..19657, 19658..19687, 19892..20146, 19896..20147, 19966..20157, 20278..20418, 20289..20420, 20698..20793, 20905..21096, 21106..21240 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o1.tc | Method | TBLASTX:Cress |
| Start | 14478 | End | 16415 |
| GI | none | Score | 47 |
| Exons | 14478..14507, 14523..14582, 14537..14590, 14655..14777, 14665..14775, 14842..14991, 14853..14990, 15552..15845, 15641..15847, 15918..16175, 15919..16134, 15923..16174, 16223..16390, 16224..16415 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o1.ts | Method | TBLASTX:Soybean |
| Start | 15695 | End | 16034 |

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|---|---|---|---|
| GI | none | Score | 184 |
| Exons | 15695..15847, 15696..15845, 15924..16034, 15924..16025, 15926..16033 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o3.tm | Method | TBLASTX:Maize |
| Start | 15768 | End | 16152 |
| GI | none | Score | 76 |
| Exons | 15768..15845, 15770..15847, 15931..16092, 15932..16114, 15935..16147, 15936..16148, 15937..16152 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o1.tm | Method | TBLASTX:Maize |
| Start | 16770 | End | 19948 |
| GI | none | Score | 154 |
| Exons | 16770..16811, 16851..16928, 16983..17144, 16999..17145, 17220..17339, 17232..17330, 17234..17335, 19514..19681, 19539..19682, 19827..19943, 19827..19946, 19841..19948, 19843..19947 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o4.gs | Method | GENSCAN |
| Start | 17004 | End | 21240 |
| GI | none | Score | .76 |
| Exons | 17004..17144, 17674..17838, 18516..18644, 18926..19279, 19841..20146, 20292..20456, 20665..20793, 20956..21240 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o2.np | Method | AAT/NAP |
| Start | 17007 | End | 19219 |
| GI | 4490303 | Score | 1085 |
| Exons | 17007..17144, 17232..17537, 17674..17836, 18514..18644, 18926..19219 | | |
| GI Descrip. | (AL035678) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o2.ts | Method | TBLASTX:Soybean |
| Start | 17256 | End | 20146 |
| GI | none | Score | 235 |
| Exons | 17256..17537, 17257..17562, 19865..20146, 19866..20141 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o5.gp | Method | AAT/GAP |
| Start | 17520 | End | 18656 |
| GI | LIB3432-040-P1-K1-D4 | Score | 835 |

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| Exons | 17520..17838, 18516..18656 | | |
| GI Descrip. | '4490303/emb\|CAB38794.1\| 4.0e-27 (AL035678) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o3.ts | Method | TBLASTX:Soybean |
| Start | 18492 | End | 21240 |
| GI | none | Score | 67 |
| Exons | 18492..18644, 18492..18644, 18511..18645, 18917..19153, 18918..19016, 20662..20799, 20672..20761, 20905..21096, 20959..21096, 21106..21240 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o2.tm | Method | TBLASTX:Maize |
| Start | 18534 | End | 21247 |
| GI | none | Score | 79 |
| Exons | 18534..18584, 18534..18587, 18535..18585, 18582..18647, 18583..18645, 18917..19153, 18918..19085, 19158..19184, 20683..20736, 20687..20734, 20731..20799, 20732..20764, 20935..21096, 20947..21084, 21106..21246, 21161..21247 | | |

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| Seq. No. | 7519 | Seq. ID | OJ990531_32.9A01.C2 |
| Gene No. | 15844 | Strand | - |
| Start | 17004 | End | 21276 |
| Name | OJ990531_32.9A01.C2.o3.np | Method | AAT/NAP |
| Start | 19547 | End | 21276 |
| GI | 4490303 | Score | 980 |
| Exons | 19547..19684, 19841..20146, 20292..20456, 20665..20793, 20956..21105, 21133..21276 | | |
| GI Descrip. | (AL035678) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7520 | Seq. ID | OJ990531_32.9A01.C3 |
| Gene No. | 15845 | Strand | + |
| Start | 153 | End | 2435 |
| Name | OJ990531_32.9A01.C3.o1.gs | Method | GENSCAN |
| Start | 153 | End | 2435 |
| GI | none | Score | .68 |
| Exons | 153..254, 725..756, 873..1047, 1095..1352, 1465..1503, 2289..2327, 2345..2435 | | |

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|---|---|---|---|
| Seq. No. | 7520 | Seq. ID | OJ990531_32.9A01.C3 |
| Gene No. | 15845 | Strand | + |
| Start | 153 | End | 2435 |
| Name | OJ990531_32.9A01.C3.o1.gp | Method | AAT/GAP |
| Start | 868 | End | 1758 |
| GI | none | Score | 1252 |
| Exons | 868..1047, 1146..1352, 1465..1758 | | |

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|---|---|---|---|
| Seq. No. | 7520 | Seq. ID | OJ990531_32.9A01.C3 |
| Gene No. | 15846 | Strand | - |
| Start | 2260 | End | 2897 |
| Name | OJ990531_32.9A01.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 722 | End | 1347 |

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|---|---|---|---|
| GI | none | Score | 189 |
| Exons | 722..757, 856..1047, 859..942, 870..1046, 872..1048, 979..1047, 1144..1338, 1146..1346, 1152..1346, 1153..1347 | | |

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|---|---|---|---|
| Seq. No. | 7520 | Seq. ID | OJ990531_32.9A01.C3 |
| Gene No. | 15846 | Strand | - |
| Start | 2260 | End | 2897 |
| Name | OJ990531_32.9A01.C3.o1.np | Method | AAT/NAP |
| Start | 2260 | End | 2897 |
| GI | 2827714 | Score | 28 |
| Exons | 2260..2331, 2745..2897 | | |
| GI Descrip. | (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7520 | Seq. ID | OJ990531_32.9A01.C3 |
| Gene No. | 15846 | Strand | - |
| Start | 2260 | End | 2897 |
| Name | OJ990531_32.9A01.C3.o2.tm | Method | TBLASTX:Maize |
| Start | 2281 | End | 2673 |
| GI | none | Score | 72 |
| Exons | 2281..2340, 2283..2333, 2395..2496, 2404..2496, 2414..2497, 2415..2546, 2577..2657, 2577..2657, 2578..2673, 2602..2661 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15847 | Strand | + |
| Start | 8966 | End | 17547 |
| Name | OJ990531_32.9A01.C4.o3.gs | Method | GENSCAN |
| Start | 8966 | End | 17547 |
| GI | none | Score | .52 |
| Exons | 8966..8973, 10040..10141, 10762..10806, 13971..14187, 14528..14695, 14883..14955, 15507..15578, 15603..15767, 15862..15921, 16130..16257, 16263..16449, 17423..17547 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15848 | Strand | + |
| Start | 27387 | End | 33966 |
| Name | OJ990531_32.9A01.C4.o5.gs | Method | GENSCAN |
| Start | 27387 | End | 33966 |
| GI | none | Score | .77 |
| Exons | 27387..27461, 28396..28473, 28551..28670, 28774..28872, 28983..29120, 29217..29351, 29466..29645, 29727..29933, 30265..30384, 30475..30594, 30676..30798, 30849..31019, 31121..31265, 31341..31747, 31826..31876, 31951..32032, 32129..32289, 32397..32558, 32673..32855, 32982..33160, 33960..33966 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15848 | Strand | + |
| Start | 27387 | End | 33966 |
| Name | OJ990531_32.9A01.C4.o5.np | Method | AAT/NAP |
| Start | 28408 | End | 33501 |
| GI | 5669167 | Score | 3167 |
| Exons | 28408..28473, 28551..28670, 28774..28872, 28983..29120, 29217..29351, 29466..29645, 29727..29933, 30265..30384, 30475..30594, 30676..30798, 30915..31019, 31121..31265, 31341..31747, 31844..31876, 31951..32032, 32129..32289, 32385..32558, 32673..32855, 32982..33160, 33408..33501 | | |

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| GI Descrip. | (AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia] | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15849 | Strand | - |
| Start | 1 | End | 2148 |
| Name | OJ990531_32.9A01.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2092 |
| GI | 6671958 | Score | 786 |
| Exons | 1..143, 565..1028, 1110..1650, 2014..2092 | | |
| GI Descrip. | (AC013454) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15849 | Strand | - |
| Start | 1 | End | 2148 |
| Name | OJ990531_32.9A01.C4.o1.gs | Method | GENSCAN |
| Start | 9 | End | 1690 |
| GI | none | Score | .41 |
| Exons | 9..143, 565..1028, 1110..1690 | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15849 | Strand | - |
| Start | 1 | End | 2148 |
| Name | OJ990531_32.9A01.C4.o1.gp | Method | AAT/GAP |
| Start | 1379 | End | 2148 |
| GI | none | Score | 867 |
| Exons | 1379..1650, 1955..2148 | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15850 | Strand | - |
| Start | 2949 | End | 8575 |
| Name | OJ990531_32.9A01.C4.o2.np | Method | AAT/NAP |
| Start | 2937 | End | 3935 |
| GI | 4490300 | Score | 1093 |
| Exons | 2937..3935 | | |
| GI Descrip. | (AL035678) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15850 | Strand | - |
| Start | 2949 | End | 8575 |
| Name | OJ990531_32.9A01.C4.o2.gs | Method | GENSCAN |
| Start | 2949 | End | 7899 |
| GI | none | Score | .81 |
| Exons | 2949..3892, 6759..7392, 7516..7899 | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15850 | Strand | - |
| Start | 2949 | End | 8575 |
| Name | OJ990531_32.9A01.C4.o2.gp | Method | AAT/GAP |
| Start | 3840 | End | 7123 |
| GI | uC-osroM202028g08a1 | Score | 800 |
| Exons | 3840..3892, 6759..7123 | | |
| GI Descrip. | '4490301/emb\|CAB38792.1\| 3.0e-28 (AL035678) hypothetical protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15850 | Strand | - |

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|---|---|---|---|
| Start | 2949 | End | 8575 |
| Name | OJ990531_32.9A01.C4.o3.np | Method | AAT/NAP |
| Start | 6659 | End | 8575 |
| GI | 4490301 | Score | 449 |
| Exons | 6659..6684, 6741..7296, 8549..8575 | | |
| GI Descrip. | (AL035678) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15850 | Strand | - |
| Start | 2949 | End | 8575 |
| Name | OJ990531_32.9A01.C4.o3.gp | Method | AAT/GAP |
| Start | 7501 | End | 7861 |
| GI | none | Score | 666 |
| Exons | 7501..7861 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15851 | Strand | - |
| Start | 15944 | End | 16158 |
| Name | OJ990531_32.9A01.C4.o4.gp | Method | AAT/GAP |
| Start | 15944 | End | 16158 |
| GI | 3107396 | Score | 426 |
| Exons | 15944..16158 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15852 | Strand | - |
| Start | 17626 | End | 18208 |
| Name | OJ990531_32.9A01.C4.o5.gp | Method | AAT/GAP |
| Start | 17626 | End | 18208 |
| GI | none | Score | 904 |
| Exons | 17626..18044, 18162..18208 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15853 | Strand | - |
| Start | 18138 | End | 26625 |
| Name | OJ990531_32.9A01.C4.o4.gs | Method | GENSCAN |
| Start | 18138 | End | 26625 |
| GI | none | Score | .74 |
| Exons | 18138..18268, 18963..19107, 19520..19703, 19872..19967, 20339..20358, 22397..22559, 22668..22855, 23190..23235, 23587..23659, 23776..23869, 24175..24294, 24798..24946, 25165..25320, 26215..26347, 26497..26625 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15853 | Strand | - |
| Start | 18138 | End | 26625 |
| Name | OJ990531_32.9A01.C4.o6.gp | Method | AAT/GAP |
| Start | 18975 | End | 20044 |
| GI | none | Score | 920 |
| Exons | 18975..19107, 19520..19732, 19872..20044 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15853 | Strand | - |
| Start | 18138 | End | 26625 |
| Name | OJ990531_32.9A01.C4.o7.gp | Method | AAT/GAP |
| Start | 21913 | End | 26599 |
| GI | 841_1.R1084 | Score | 3622 |
| Exons | 21913..22275, 22397..22559, 22668..22855, 23190..23235, | | |

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| | 23433..23480, 23587..23689, 23776..23989, 24175..24294, 24798..24946, 25165..25320, 25806..25863, 26012..26100, 26215..26347, 26422..26599 |
| GI Descrip. | '4105639/gb\|AAD02489.1\| 0.0e+00 (AF049356) phytoene desaturase precursor [Oryza sativa]' |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15853 | Strand | - |
| Start | 18138 | End | 26625 |
| Name | OJ990531_32.9A01.C4.o4.np | Method | AAT/NAP |
| Start | 22213 | End | 26589 |
| GI | 4105639 | Score | 2517 |
| Exons | 22213..22275, 22397..22559, 22668..22855, 23190..23235, 23433..23480, 23587..23689, 23776..23989, 24175..24294, 24798..24946, 25165..25320, 25806..25863, 26012..26100, 26215..26347, 26422..26589 | | |
| GI Descrip. | (AF049356) phytoene desaturase precursor [Oryza sativa] | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o10.tm | Method | TBLASTX:Maize |
| Start | 678 | End | 941 |
| GI | none | Score | 142 |
| Exons | 678..941, 680..937 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o7.tm | Method | TBLASTX:Maize |
| Start | 944 | End | 1333 |
| GI | none | Score | 90 |
| Exons | 944..1021, 960..1043, 1109..1138, 1124..1333, 1125..1331 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o7.ts | Method | TBLASTX:Soybean |
| Start | 1373 | End | 1663 |
| GI | none | Score | 70 |
| Exons | 1373..1576, 1391..1663, 1431..1637 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o8.ts | Method | TBLASTX:Soybean |
| Start | 2961 | End | 3200 |
| GI | none | Score | 65 |
| Exons | 2961..3011, 3012..3200, 3085..3198 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o4.tw | Method | TBLASTX:Wheat |
| Start | 2970 | End | 3359 |
| GI | none | Score | 119 |
| Exons | 2970..3269, 3097..3216, 3255..3359, 3288..3353 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 3007 | End | 3836 |
| GI | none | Score | 894 |
| Exons | 3007..3819, 3009..3836 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 3156 | End | 3783 |
| GI | none | Score | 34 |
| Exons | 3156..3200, 3160..3198, 3204..3269, 3270..3680, 3286..3633, 3717..3782, 3724..3783 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o4.ts | Method | TBLASTX:Soybean |
| Start | 3267 | End | 3681 |
| GI | none | Score | 103 |
| Exons | 3267..3680, 3288..3476, 3289..3501, 3568..3681 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o9.tw | Method | TBLASTX:Wheat |
| Start | 3654 | End | 3830 |
| GI | none | Score | 82 |
| Exons | 3654..3830, 3706..3819 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o9.tm | Method | TBLASTX:Maize |
| Start | 6760 | End | 7239 |
| GI | none | Score | 61 |
| Exons | 6760..6918, 6799..6891, 6985..7047, 6986..7084, 7054..7239 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.tm | Method | TBLASTX:Maize |
| Start | 18773 | End | 19631 |
| GI | none | Score | 133 |
| Exons | 18773..18958, 18782..18961, 18787..18978, 18787..18960, 18958..19008, 18959..19000, 19003..19110, 19013..19108, 19520..19591, 19524..19631 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o8.tm | Method | TBLASTX:Maize |
| Start | 22202 | End | 22720 |

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|---|---|---|---|
| GI | none | Score | 37 |
| Exons | 22202..22231, 22231..22278, 22232..22276, 22396..22560, 22397..22561, 22401..22562, 22667..22720, 22673..22720 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 22203 | End | 23238 |
| GI | none | Score | 83 |
| Exons | 22203..22277, 22204..22278, 22205..22270, 22396..22554, 22397..22555, 22397..22561, 22401..22562, 22658..22864, 22662..22856, 22666..22857, 22667..22858, 23188..23238, 23189..23236 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o3.tc | Method | TBLASTX:Cress |
| Start | 22397 | End | 26354 |
| GI | none | Score | 217 |
| Exons | 22397..22561, 22401..22562, 22665..22856, 22667..22858, 22668..22856, 22669..22863, 22670..22858, 23190..23237, 23429..23488, 23432..23488, 23573..23686, 23581..23691, 23585..23692, 23586..23690, 23756..23989, 23766..23990, 23771..23992, 23929..23991, 24173..24298, 24173..24295, 24175..24297, 24796..24942, 24798..24926, 24798..24953, 24799..24954, 25163..25318, 25164..25319, 25805..25864, 25806..25865, 25807..25866, 26009..26086, 26011..26118, 26013..26114, 26210..26353, 26214..26354 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o3.ts | Method | TBLASTX:Soybean |
| Start | 22397 | End | 26353 |
| GI | none | Score | 132 |
| Exons | 22397..22558, 22397..22561, 22413..22562, 22665..22856, 22667..22858, 22668..22856, 23190..23237, 23429..23482, 23432..23488, 23581..23691, 23584..23685, 23586..23690, 23756..23989, 23766..23990, 23818..24000, 23839..23991, 24173..24298, 24173..24295, 24174..24296, 24175..24297, 24707..24733, 24796..24945, 24797..24946, 24798..24947, 24798..24953, 24799..24948, 25163..25318, 25164..25319, 25807..25866, 26009..26086, 26010..26114, 26011..26103, 26210..26353, 26214..26348 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o11.tm | Method | TBLASTX:Maize |
| Start | 23864 | End | 25866 |
| GI | none | Score | 86 |
| Exons | 23864..23941, 23865..23939, 23875..23946, 23940..23990, 23942..23992, 23942..23989, 24173..24298, 24173..24295, 24175..24297, 24797..24943, 24798..24944, 24798..24953, 24799..24948, 24863..24955, 25163..25318, 25164..25319, | | |

25164..25325, 25175..25333, 25806..25862, 25807..25866

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 26015 | End | 26713 |
| GI | none | Score | 138 |
| Exons | 26015..26086, 26016..26102, 26017..26103, 26210..26353, 26214..26354, 26215..26364, 26215..26376, 26418..26507, 26419..26508, 26420..26509, 26491..26640, 26528..26713 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 28550 | End | 32855 |
| GI | none | Score | 106 |
| Exons | 28550..28675, 28551..28670, 28771..28869, 28773..28868, 28977..29123, 28977..29126, 29214..29351, 29216..29350, 29465..29644, 29465..29647, 29466..29651, 29724..29933, 29726..29932, 30257..30385, 30261..30350, 30261..30386, 30262..30387, 30472..30594, 30528..30599, 30673..30801, 30675..30797, 30888..31025, 31120..31266, 31124..31267, 31330..31422, 31331..31537, 31501..31518, 31550..31606, 31588..31746, 31589..31750, 31844..31876, 31941..32033, 31954..32034, 32116..32286, 32127..32321, 32391..32561, 32391..32558, 32396..32560, 32672..32851, 32673..32855 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o7.tw | Method | TBLASTX:Wheat |
| Start | 28550 | End | 28872 |
| GI | none | Score | 124 |
| Exons | 28550..28675, 28551..28670, 28771..28872, 28773..28871 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.ts | Method | TBLASTX:Soybean |
| Start | 28551 | End | 29273 |
| GI | none | Score | 123 |
| Exons | 28551..28670, 28559..28675, 28771..28872, 28773..28877, 28977..29123, 28995..29105, 29214..29273 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 28593 | End | 33504 |
| GI | none | Score | 65 |
| Exons | 28593..28670, 28771..28872, 28773..28877, 28977..29123, 28977..29126, 29214..29351, 29216..29302, 29462..29638, 29466..29651, 29472..29648, 29724..29933, 29726..29974, 30249..30389, 30261..30386, 30262..30387, 30472..30594, 30528..30593, 30662..30799, 30673..30801, 30687..30797, | | |

30688..30798, 30888..31025, 30953..31012, 31118..31267,
31119..31268, 31120..31266, 31321..31518, 31331..31537,
31457..31525, 31550..31750, 31582..31746, 31843..31887,
31844..31879, 31844..31894, 31941..32033, 31951..32034,
31954..32034, 32116..32295, 32127..32321, 32391..32561,
32396..32560, 32672..32830, 32673..32855, 32748..32855,
33406..33504

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o3.tw | Method | TBLASTX:Wheat |
| Start | 29007 | End | 29753 |
| GI | none | Score | 63 |

Exons 29007..29123, 29013..29126, 29214..29351, 29214..29357,
29465..29647, 29466..29651, 29724..29753

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 29274 | End | 30801 |
| GI | none | Score | 113 |

Exons 29274..29351, 29277..29357, 29465..29647, 29466..29651,
29724..29933, 29726..29932, 29747..29935, 30249..30389,
30255..30386, 30262..30387, 30472..30594, 30505..30594,
30507..30599, 30528..30599, 30673..30801, 30673..30801,
30709..30756

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o5.tw | Method | TBLASTX:Wheat |
| Start | 29754 | End | 30389 |
| GI | none | Score | 237 |

Exons 29754..29933, 29759..29932, 30261..30386, 30261..30389,
30262..30387

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 30912 | End | 33513 |
| GI | none | Score | 102 |

Exons 30912..31025, 31109..31261, 31118..31267, 31120..31266,
31321..31422, 31331..31537, 31498..31518, 31550..31750,
31582..31746, 31844..31876, 31954..32034, 32116..32295,
32118..32297, 32391..32561, 32396..32560, 32658..32855,
32672..32833, 33406..33513

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 30959 | End | 32699 |
| GI | none | Score | 68 |

Exons 30959..31039, 30966..31025, 31118..31267, 31120..31266,

31321..31422, 31331..31537, 31457..31525, 31550..31750,
31582..31746, 31824..31862, 31844..31879, 31941..32033,
31951..32034, 32116..32295, 32127..32285, 32128..32295,
32132..32311, 32391..32561, 32396..32560, 32673..32699

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o8.gp | Method | AAT/GAP |
| Start | 33769 | End | 35065 |
| GI | 40641_1.R1084 | Score | 1395 |
| Exons | 33769..34168, 34267..34424, 34532..34662, 34956..35065 | | |
| GI Descrip. | '3360289 3.0e-42 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 33822 | End | 36713 |
| GI | none | Score | 36 |
| Exons | 33822..33857, 33885..33929, 33892..33927, 33919..33993, 34017..34136, 34022..34066, 34049..34174, 34059..34169, 34064..34171, 34268..34426, 34269..34427, 34270..34428, 34270..34431, 34532..34663, 34534..34665, 34948..35091, 34956..35090, 35537..35617, 35538..35813, 35539..35814, 35540..35815, 35660..35824, 36144..36356, 36145..36330, 36312..36431, 36313..36432, 36328..36432, 36333..36440, 36519..36668, 36523..36669, 36525..36713 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.gs | Method | GENSCAN |
| Start | 34025 | End | 39239 |
| GI | none | Score | .86 |
| Exons | 34025..34168, 34268..34375, 34956..35091, 35541..35812, 36147..36430, 36725..36813, 36890..36955, 37034..37099, 37846..37917, 38011..38143, 39125..39239 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.np | Method | AAT/NAP |
| Start | 34028 | End | 38143 |
| GI | 3360289 | Score | 2642 |
| Exons | 34028..34168, 34268..34424, 34532..34662, 34956..35091, 35541..35812, 36147..36430, 36524..36813, 36890..36955, 37034..37099, 37180..37251, 37376..37447, 37535..37606, 37689..37763, 37846..37917, 38011..38143 | | |
| GI Descrip. | (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o5.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 34034 | End | 36432 |
| GI | none | Score | 91 |
| Exons | 34034..34174, 34071..34169, 34268..34426, 34272..34427, 34532..34645, 34534..34647, 34964..35086, 34965..35084, 34965..35090, 34981..35091, 35214..35270, 35538..35732, 35540..35755, 35744..35815, 35754..35813, 36144..36425, 36145..36432 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o5.tc | Method | TBLASTX:Cress |
| Start | 34046 | End | 34428 |
| GI | none | Score | 115 |
| Exons | 34046..34174, 34080..34169, 34084..34170, 34268..34426, 34269..34427, 34270..34428 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o8.tw | Method | TBLASTX:Wheat |
| Start | 34319 | End | 34651 |
| GI | none | Score | 96 |
| Exons | 34319..34423, 34517..34651, 34531..34644 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o4.tc | Method | TBLASTX:Cress |
| Start | 34984 | End | 36419 |
| GI | none | Score | 90 |
| Exons | 34984..35091, 34986..35090, 35371..35397, 35523..35759, 35538..35813, 35540..35815, 36144..36356, 36145..36303, 36255..36353, 36276..36419 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o9.gp | Method | AAT/GAP |
| Start | 36276 | End | 39417 |
| GI | 49249_1.R1084 | Score | 2520 |
| Exons | 36276..36430, 36524..36813, 36890..36955, 37034..37099, 37180..37251, 37376..37447, 37535..37606, 37689..37763, 37846..37917, 38011..38143, 39125..39417 | | |
| GI Descrip. | '3360289 1.0e-126 (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.tw | Method | TBLASTX:Wheat |
| Start | 36889 | End | 37446 |
| GI | none | Score | 99 |
| Exons | 36889..36966, 36890..36955, 37028..37099, 37035..37097, 37036..37098, 37177..37251, 37179..37250, 37192..37251, 37193..37270, 37346..37435, 37370..37435, 37402..37446 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o9.ts | Method | TBLASTX:Soybean |
| Start | 36901 | End | 37251 |
| GI | none | Score | 54 |
| Exons | 36901..36954, 36902..36955, 37021..37098, 37028..37102, 37039..37098, 37177..37251, 37179..37250 | | |

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| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o5.tm | Method | TBLASTX:Maize |
| Start | 37183 | End | 39176 |
| GI | none | Score | 74 |
| Exons | 37183..37236, 37185..37235, 37188..37241, 37364..37459, 37398..37439, 37402..37446, 37534..37605, 37535..37606, 37536..37607, 37537..37626, 37688..37762, 37689..37763, 37806..37913, 37833..37916, 37847..37915, 38011..38142, 38011..38136, 38024..38143, 38034..38144, 39099..39176 | | |

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|---|---|---|---|
| Seq. No. | 7521 | Seq. ID | OJ990531_32.9A01.C4 |
| Gene No. | 15854 | Strand | - |
| Start | 33769 | End | 39417 |
| Name | OJ990531_32.9A01.C4.o6.tc | Method | TBLASTX:Cress |
| Start | 37534 | End | 38141 |
| GI | none | Score | 43 |
| Exons | 37534..37605, 37736..37762, 37836..37916, 37891..37920, 38011..38112, 38034..38141 | | |

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|---|---|---|---|
| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15855 | Strand | + |
| Start | 1014 | End | 1273 |
| Name | OJ990531_32.9A01.C5.o1.gp | Method | AAT/GAP |
| Start | 1014 | End | 1273 |
| GI | LIB3434-035-P1-K1-A7 | Score | 456 |
| Exons | 1014..1273 | | |
| GI Descrip. | '5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)' | | |

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|---|---|---|---|
| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 5518 | End | 6160 |
| GI | none | Score | 58 |
| Exons | 5518..5628, 5582..5632, 5714..5764, 5714..5764, 5898..5927, 5995..6066, 5995..6066, 6136..6159, 6137..6160 | | |

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|---|---|---|---|
| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 5576 | End | 7356 |
| GI | none | Score | 59 |
| Exons | 5576..5632, 5687..5764, 5712..5765, 5714..5803, 5898..5927, 5987..6064, 5995..6066, 5995..6066, 5997..6068, 6136..6198, | | |

6136..6198, 6138..6200, 6138..6200, 6339..6434, 6344..6430,
6357..6434, 6801..6920, 6809..6919, 6995..7108, 6996..7109,
7000..7122, 7189..7356, 7195..7329

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|---|---|---|---|
| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o1.np | Method | AAT/NAP |
| Start | 5588 | End | 8510 |
| GI | 461498 | Score | 805 |

Exons 5588..5626, 5715..5765, 5871..5921, 5998..6063, 6139..6200,
6356..6434, 6813..6917, 6996..7106, 7189..7338, 8488..8510

GI Descrip. ALANINE AMINOTRANSFERASE 2 (GPT) (GLUTAMIC--PYRUVIC TRANSAMINASE 2) (GLUTAMIC--ALANINE TRANSAMINASE 2) (ALAAT-2)
gi|320619|pir||S28429 alanine transaminase (EC 2.6.1.2) - proso millet gi|296204|emb|CAA49199| (X69421) alanine aminotransferase [Panicum miliaceum]

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|---|---|---|---|
| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o2.gs | Method | GENSCAN |
| Start | 5588 | End | 7005 |
| GI | none | Score | .8 |

Exons 5588..5666, 5824..5921, 6118..6200, 6356..6434, 6813..6955,
6996..7005

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| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 5600 | End | 7335 |
| GI | none | Score | 38 |

Exons 5600..5632, 5712..5765, 5995..6066, 6006..6068, 6136..6198,
6321..6434, 6347..6442, 6801..6920, 6812..6919, 6995..7108,
6996..7109, 6997..7110, 7184..7330, 7188..7313, 7188..7334,
7189..7335, 7189..7335

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| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 5600 | End | 7331 |
| GI | none | Score | 41 |

Exons 5600..5632, 5712..5765, 5714..5761, 5867..5920, 5898..5927,
5995..6066, 5997..6068, 6136..6198, 6136..6198, 6320..6418,
6327..6434, 6801..6920, 6809..6919, 6811..6966, 6995..7108,
6996..7109, 7036..7116, 7179..7328, 7188..7331, 7189..7329

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| Seq. No. | 7522 | Seq. ID | OJ990531_32.9A01.C5 |
| Gene No. | 15856 | Strand | + |
| Start | 5588 | End | 8510 |
| Name | OJ990531_32.9A01.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 6345 | End | 7052 |
| GI | none | Score | 118 |

Exons 6345..6434, 6350..6436, 6353..6439, 6801..6920, 6812..6919,
6995..7051, 6996..7052

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| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15857 | Strand | + |
| Start | 237 | End | 1659 |
| Name | OJ990531_32.9A01.C6.o1.gs | Method | GENSCAN |
| Start | 237 | End | 1659 |
| GI | none | Score | .8 |
| Exons | 237..311, 435..555, 637..791, 879..953, 1046..1249, 1543..1659 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15857 | Strand | + |
| Start | 237 | End | 1659 |
| Name | OJ990531_32.9A01.C6.o1.np | Method | AAT/NAP |
| Start | 237 | End | 1656 |
| GI | 4730884 | Score | 874 |
| Exons | 237..311, 435..555, 637..791, 879..953, 1046..1249, 1543..1656 | | |
| GI Descrip. | (AB007404) alanine aminotransferase [Oryza sativa] gi\|4730886\|dbj\|BAA77261.1\| (AB007405) alanine aminotransferase [Oryza sativa] | | |

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| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15858 | Strand | + |
| Start | 5629 | End | 6285 |
| Name | OJ990531_32.9A01.C6.o3.gs | Method | GENSCAN |
| Start | 5629 | End | 6285 |
| GI | none | Score | .95 |
| Exons | 5629..5948, 6114..6285 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15859 | Strand | + |
| Start | 8187 | End | 8948 |
| Name | OJ990531_32.9A01.C6.o4.gs | Method | GENSCAN |
| Start | 8187 | End | 8948 |
| GI | none | Score | .64 |
| Exons | 8187..8279, 8736..8948 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15860 | Strand | + |
| Start | 10478 | End | 10583 |
| Name | OJ990531_32.9A01.C6.o1.gp | Method | AAT/GAP |
| Start | 10478 | End | 10583 |
| GI | LIB3477-003-P1-K1-E9 | Score | 155 |
| Exons | 10478..10583 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15861 | Strand | + |
| Start | 12894 | End | 12985 |
| Name | OJ990531_32.9A01.C6.o2.gp | Method | AAT/GAP |
| Start | 12894 | End | 12985 |
| GI | 14887_1.R1084 | Score | 158 |
| Exons | 12894..12985 | | |
| GI Descrip. | '3264767 8.0e-14 (AF071893) AP2 domain containing protein [Prunus armeniaca]' | | |

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| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15862 | Strand | - |
| Start | 2253 | End | 3424 |
| Name | OJ990531_32.9A01.C6.o2.gs | Method | GENSCAN |
| Start | 2253 | End | 3424 |
| GI | none | Score | .55 |
| Exons | 2253..2467, 3355..3424 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15863 | Strand | - |
| Start | 9805 | End | 12537 |
| Name | OJ990531_32.9A01.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 234 | End | 1731 |
| GI | none | Score | 95 |
| Exons | 234..314, 433..537, 434..556, 435..557, 616..792, 636..794, 636..794, 863..955, 877..963, 1040..1252, 1043..1252, 1539..1658, 1540..1731 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15863 | Strand | - |
| Start | 9805 | End | 12537 |
| Name | OJ990531_32.9A01.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 435 | End | 1659 |
| GI | none | Score | 123 |
| Exons | 435..536, 636..665, 654..791, 671..787, 882..953, 1040..1252, 1051..1251, 1540..1659, 1542..1655 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15863 | Strand | - |
| Start | 9805 | End | 12537 |
| Name | OJ990531_32.9A01.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 441 | End | 1659 |
| GI | none | Score | 128 |
| Exons | 441..557, 443..556, 636..794, 636..803, 876..953, 1040..1252, 1051..1251, 1533..1655, 1540..1659 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15863 | Strand | - |
| Start | 9805 | End | 12537 |
| Name | OJ990531_32.9A01.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 4555 | End | 5954 |
| GI | none | Score | 110 |
| Exons | 4555..4665, 5608..5763, 5626..5760, 5862..5954, 5863..5949 | | |

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|---|---|---|---|
| Seq. No. | 7523 | Seq. ID | OJ990531_32.9A01.C6 |
| Gene No. | 15863 | Strand | - |
| Start | 9805 | End | 12537 |
| Name | OJ990531_32.9A01.C6.o5.gs | Method | GENSCAN |
| Start | 9805 | End | 12537 |
| GI | none | Score | .81 |
| Exons | 9805..10008, 10788..10961, 11526..11577, 12395..12537 | | |

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|---|---|---|---|
| Seq. No. | 7524 | Seq. ID | OJ990531_32.9A01.C7 |
| Gene No. | 15864 | Strand | + |
| Start | 1 | End | 120 |
| Name | OJ990531_32.9A01.C7.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 120 |

| | | | |
|---|---|---|---|
| GI | 14887_1.R1084 | Score | 232 |
| Exons | 1..120 | | |
| GI Descrip. | '3264767 8.0e-14 (AF071893) AP2 domain containing protein [Prunus armeniaca]' | | |

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|---|---|---|---|
| Seq. No. | 7524 | Seq. ID | OJ990531_32.9A01.C7 |
| Gene No. | 15865 | Strand | + |
| Start | 68 | End | 617 |
| Name | OJ990531_32.9A01.C7.o1.gs | Method | GENSCAN |
| Start | 68 | End | 617 |
| GI | none | Score | .99 |
| Exons | 68..617 | | |

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|---|---|---|---|
| Seq. No. | 7524 | Seq. ID | OJ990531_32.9A01.C7 |
| Gene No. | 15865 | Strand | + |
| Start | 68 | End | 617 |
| Name | OJ990531_32.9A01.C7.o2.gp | Method | AAT/GAP |
| Start | 139 | End | 596 |
| GI | none | Score | 858 |
| Exons | 139..596 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15866 | Strand | + |
| Start | 1 | End | 5530 |
| Name | OJ990531_32.9A01.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5530 |
| GI | 4455176 | Score | 1270 |
| Exons | 1..501, 1349..2512, 5481..5530 | | |
| GI Descrip. | (AL035521) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15866 | Strand | + |
| Start | 1 | End | 5530 |
| Name | OJ990531_32.9A01.C9.o1.gs | Method | GENSCAN |
| Start | 196 | End | 3219 |
| GI | none | Score | .85 |
| Exons | 196..504, 1349..2506, 2773..3219 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15867 | Strand | + |
| Start | 7420 | End | 16340 |
| Name | OJ990531_32.9A01.C9.o1.gp | Method | AAT/GAP |
| Start | 7420 | End | 10354 |
| GI | none | Score | 891 |
| Exons | 7420..7480, 9949..10354 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15867 | Strand | + |
| Start | 7420 | End | 16340 |
| Name | OJ990531_32.9A01.C9.o3.gs | Method | GENSCAN |
| Start | 9828 | End | 16340 |
| GI | none | Score | .58 |
| Exons | 9828..11027, 11543..11680, 11768..11940, 12003..12183, 12802..12976, 13590..13695, 14132..14217, 14575..14693, 14953..15005, 15238..15323, 16291..16340 | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |

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|---|---|---|---|
| Gene No. | 15867 | Strand | + |
| Start | 7420 | End | 16340 |
| Name | OJ990531_32.9A01.C9.o2.gp | Method | AAT/GAP |
| Start | 10914 | End | 11214 |
| GI | 5607395 | Score | 583 |
| Exons | 10914..11214 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15867 | Strand | + |
| Start | 7420 | End | 16340 |
| Name | OJ990531_32.9A01.C9.o2.np | Method | AAT/NAP |
| Start | 11545 | End | 12440 |
| GI | 5669167 | Score | 583 |
| Exons | 11545..11680, 11768..11902, 12003..12183, 12273..12440 | | |
| GI Descrip. | (AF156691) plasma membrane proton ATPase [Nicotiana plumbaginifolia] | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15868 | Strand | + |
| Start | 20147 | End | 20668 |
| Name | OJ990531_32.9A01.C9.o4.gp | Method | AAT/GAP |
| Start | 20101 | End | 20668 |
| GI | 20783_2.R1084 | Score | 803 |
| Exons | 20101..20411, 20521..20668 | | |
| GI Descrip. | '3264767 2.0e-23 (AF071893) AP2 domain containing protein [Prunus armeniaca]' | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15868 | Strand | + |
| Start | 20147 | End | 20668 |
| Name | OJ990531_32.9A01.C9.o4.np | Method | AAT/NAP |
| Start | 20147 | End | 20668 |
| GI | 6176534 | Score | 217 |
| Exons | 20147..20425, 20505..20668 | | |
| GI Descrip. | (AF190770) EREBP-like protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15868 | Strand | + |
| Start | 20147 | End | 20668 |
| Name | OJ990531_32.9A01.C9.o5.gs | Method | GENSCAN |
| Start | 20147 | End | 20455 |
| GI | none | Score | .92 |
| Exons | 20147..20455 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15869 | Strand | - |
| Start | 10403 | End | 14847 |
| Name | OJ990531_32.9A01.C9.o3.np | Method | AAT/NAP |
| Start | 10403 | End | 14847 |
| GI | 3360289 | Score | 233 |
| Exons | 10403..10481, 12731..12954, 13027..13092, 13173..13238, 14768..14847 | | |
| GI Descrip. | (AF023164) leucine-rich repeat transmembrane protein kinase 1 [Zea mays] | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |

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|---|---|---|---|
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 2363 | End | 2506 |
| GI | none | Score | 226 |
| Exons | 2363..2506, 2365..2505 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 9953 | End | 11038 |
| GI | none | Score | 462 |
| Exons | 9953..10516, 9954..10313, 9958..10548, 10374..10565, 10377..10559, 10425..10649, 10519..10638, 10527..10652, 10617..10802, 10632..10775, 10654..10803, 10672..10809, 10712..10810, 10827..10907, 10928..11038, 10929..11036 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 11543 | End | 12613 |
| GI | none | Score | 164 |
| Exons | 11543..11686, 11555..11683, 11765..11899, 11767..11883, 11999..12049, 12003..12050, 12037..12189, 12042..12176, 12273..12398, 12278..12379, 12374..12430, 12490..12558, 12551..12613 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 11555 | End | 12558 |
| GI | none | Score | 172 |
| Exons | 11555..11683, 11555..11722, 11765..11899, 11767..11892, 12002..12046, 12003..12047, 12037..12189, 12042..12185, 12273..12398, 12273..12380, 12275..12397, 12373..12429, 12374..12430, 12490..12558, 12502..12540 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 11555 | End | 11824 |
| GI | none | Score | 160 |
| Exons | 11555..11683, 11555..11665, 11765..11824 | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 11567 | End | 12189 |
| GI | none | Score | 106 |
| Exons | 11567..11683, 11573..11686, 11764..11895, 11765..11899, 12002..12049, 12003..12050, 12037..12189, 12042..12185 | | |

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| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |

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|---|---|---|---|
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 11825 | End | 12398 |
| GI | none | Score | 92 |
| Exons | 11825..11899, 11827..11889, 12002..12040, 12003..12050, 12036..12185, 12037..12189, 12273..12398, 12278..12379, 12291..12380 | | |

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|---|---|---|---|
| Seq. No. | 7525 | Seq. ID | OJ990531_32.9A01.C9 |
| Gene No. | 15870 | Strand | - |
| Start | 16538 | End | 18030 |
| Name | OJ990531_32.9A01.C9.o4.gs | Method | GENSCAN |
| Start | 16538 | End | 18030 |
| GI | none | Score | .44 |
| Exons | 16538..16732, 16942..17064, 17830..18030 | | |

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|---|---|---|---|
| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15871 | Strand | + |
| Start | 88 | End | 991 |
| Name | OJ990531_32.9A01.C10.o1.gs | Method | GENSCAN |
| Start | 88 | End | 399 |
| GI | none | Score | .55 |
| Exons | 88..399 | | |

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|---|---|---|---|
| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15871 | Strand | + |
| Start | 88 | End | 991 |
| Name | OJ990531_32.9A01.C10.o1.gp | Method | AAT/GAP |
| Start | 279 | End | 991 |
| GI | none | Score | 1120 |
| Exons | 279..435, 547..991 | | |

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|---|---|---|---|
| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15872 | Strand | + |
| Start | 4061 | End | 5673 |
| Name | OJ990531_32.9A01.C10.o3.gp | Method | AAT/GAP |
| Start | 4014 | End | 4722 |
| GI | 26037_1.R1084 | Score | 1132 |
| Exons | 4014..4334, 4450..4722 | | |
| GI Descrip. | '4138299/emb\|CAA75509\| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]' | | |

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|---|---|---|---|
| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15872 | Strand | + |
| Start | 4061 | End | 5673 |
| Name | OJ990531_32.9A01.C10.o1.np | Method | AAT/NAP |
| Start | 4061 | End | 5673 |
| GI | 6176534 | Score | 256 |
| Exons | 4061..4292, 4440..4794, 5579..5673 | | |
| GI Descrip. | (AF190770) EREBP-like protein [Oryza sativa] | | |

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| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15872 | Strand | + |
| Start | 4061 | End | 5673 |
| Name | OJ990531_32.9A01.C10.o2.gs | Method | GENSCAN |
| Start | 4061 | End | 5573 |

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|---|---|---|---|
| GI | none | Score | .81 |
| Exons | 4061..4292, 4450..4872, 5320..5573 | | |

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|---|---|---|---|
| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15873 | Strand | - |
| Start | 1698 | End | 2628 |
| Name | OJ990531_32.9A01.C10.o2.gp | Method | AAT/GAP |
| Start | 1698 | End | 2628 |
| GI | none | Score | 919 |
| Exons | 1698..1918, 2213..2251, 2396..2628 | | |

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| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15874 | Strand | |
| Start | 4046 | End | 4733 |
| Name | OJ990531_32.9A01.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 4046 | End | 4733 |
| GI | none | Score | 93 |
| Exons | 4046..4132, 4060..4134, 4545..4733, 4559..4624 | | |

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| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15874 | Strand | |
| Start | 4046 | End | 4733 |
| Name | OJ990531_32.9A01.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 4545 | End | 4709 |
| GI | none | Score | 208 |
| Exons | 4545..4709, 4559..4624 | | |

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| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15874 | Strand | |
| Start | 4046 | End | 4733 |
| Name | OJ990531_32.9A01.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 4545 | End | 4733 |
| GI | none | Score | 228 |
| Exons | 4545..4733, 4559..4624 | | |

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| Seq. No. | 7526 | Seq. ID | OJ990531_32.9A01.C10 |
| Gene No. | 15874 | Strand | |
| Start | 4046 | End | 4733 |
| Name | OJ990531_32.9A01.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 4545 | End | 4709 |
| GI | none | Score | 191 |
| Exons | 4545..4709, 4559..4627 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15875 | Strand | + |
| Start | 1 | End | 393 |
| Name | OJ990531_32.9A01.C11.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 393 |
| GI | none | Score | 765 |
| Exons | 1..393 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15876 | Strand | + |
| Start | 1454 | End | 4740 |
| Name | OJ990531_32.9A01.C11.o2.gp | Method | AAT/GAP |
| Start | 1454 | End | 2612 |
| GI | 44238_1.R1084 | Score | 678 |

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|---|---|
| Exons | 1454..1716, 2421..2477, 2564..2612 |
| GI Descrip. | '4490292/emb\|CAB38783.1\| 9.0e-17 (AL035678) putative protein [Arabidopsis thaliana]' |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15876 | Strand | + |
| Start | 1454 | End | 4740 |
| Name | OJ990531_32.9A01.C11.o1.np | Method | AAT/NAP |
| Start | 1597 | End | 4472 |
| GI | 4490292 | Score | 633 |
| Exons | 1597..1710, 2421..2477, 2564..2614, 2712..2774, 3197..3247, 3330..3396, 3935..4017, 4275..4472 | | |
| GI Descrip. | (AL035678) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15876 | Strand | + |
| Start | 1454 | End | 4740 |
| Name | OJ990531_32.9A01.C11.o1.gs | Method | GENSCAN |
| Start | 1609 | End | 4475 |
| GI | none | Score | .88 |
| Exons | 1609..1716, 2421..2477, 2564..2614, 3197..3247, 3330..3396, 3935..4017, 4275..4475 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15876 | Strand | + |
| Start | 1454 | End | 4740 |
| Name | OJ990531_32.9A01.C11.o3.gp | Method | AAT/GAP |
| Start | 2394 | End | 2777 |
| GI | 42089_1.R1084 | Score | 213 |
| Exons | 2394..2477, 2564..2614, 2712..2777 | | |
| GI Descrip. | '4490292/emb\|CAB38783.1\| 5.0e-31 (AL035678) putative protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15876 | Strand | + |
| Start | 1454 | End | 4740 |
| Name | OJ990531_32.9A01.C11.o4.gp | Method | AAT/GAP |
| Start | 3944 | End | 4740 |
| GI | 24324_1.R1084 | Score | 1030 |
| Exons | 3944..4017, 4275..4740 | | |
| GI Descrip. | '4490292/emb\|CAB38783.1\| 5.0e-30 (AL035678) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15877 | Strand | + |
| Start | 5244 | End | 7453 |
| Name | OJ990531_32.9A01.C11.o5.gp | Method | AAT/GAP |
| Start | 5244 | End | 7453 |
| GI | 1913_2.R1084 | Score | 2350 |
| Exons | 5244..5524, 5924..6186, 6409..6473, 6578..6758, 7010..7453 | | |
| GI Descrip. | '3334320/sp\|O22518\|RSP4_SOYBN 4.0e-64 40S RIBOSOMAL PROTEIN SA (P40) >gi_2444420 (AF020553) ribosome-associated protein p40 [Glycine max]' | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15877 | Strand | + |
| Start | 5244 | End | 7453 |

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|---|---|---|---|
| Name | OJ990531_32.9A01.C11.o2.np | Method | AAT/NAP |
| Start | 5371 | End | 7104 |
| GI | 3334320 | Score | 979 |
| Exons | 5371..5524, 5924..6186, 6276..6473, 6578..6762, 6987..7104 | | |
| GI Descrip. | 40S RIBOSOMAL PROTEIN SA (P40) gi\|2444420 (AF020553) ribosome-associated protein p40 [Glycine max] | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15877 | Strand | + |
| Start | 5244 | End | 7453 |
| Name | OJ990531_32.9A01.C11.o2.gs | Method | GENSCAN |
| Start | 5380 | End | 7140 |
| GI | none | Score | .99 |
| Exons | 5380..5524, 5924..6186, 6276..6473, 6578..6758, 7010..7140 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15878 | Strand | - |
| Start | 8281 | End | 8482 |
| Name | OJ990531_32.9A01.C11.o6.gp | Method | AAT/GAP |
| Start | 8281 | End | 8482 |
| GI | 427202 | Score | 332 |
| Exons | 8281..8482 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o4.tw | Method | TBLASTX:Wheat |
| Start | 1609 | End | 3963 |
| GI | none | Score | 168 |
| Exons | 1609..1722, 1662..1718, 2405..2476, 2406..2477, 2421..2477, 2540..2614, 2553..2609, 2561..2614, 2709..2774, 2711..2773, 3186..3254, 3197..3247, 3198..3254, 3329..3397, 3330..3413, 3886..3963 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o6.tm | Method | TBLASTX:Maize |
| Start | 1609 | End | 4029 |
| GI | none | Score | 166 |
| Exons | 1609..1767, 1662..1718, 2420..2476, 2421..2477, 2430..2477, 2561..2614, 2561..2614, 2709..2774, 2711..2773, 3196..3246, 3197..3247, 3329..3397, 3330..3413, 3886..4029, 3933..4016 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o5.ts | Method | TBLASTX:Soybean |
| Start | 1618 | End | 4475 |
| GI | none | Score | 125 |
| Exons | 1618..1722, 2417..2476, 2421..2477, 2561..2614, 2561..2614, 2709..2774, 2711..2773, 3196..3246, 3197..3247, 3323..3397, 3330..3413, 3886..4029, 3933..4016, 4272..4352, 4274..4351, 4359..4475, 4364..4474 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |

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|---|---|---|---|
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o4.tm | Method | TBLASTX:Maize |
| Start | 4227 | End | 4480 |
| GI | none | Score | 342 |
| Exons | 4227..4478, 4229..4480, 4230..4475 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 5425 | End | 6757 |
| GI | none | Score | 148 |
| Exons | 5425..5532, 5449..5532, 5469..5543, 5922..6185, 5923..6186, 5923..6186, 6273..6476, 6273..6473, 6275..6475, 6572..6601, 6683..6757 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 5425 | End | 6754 |
| GI | none | Score | 167 |
| Exons | 5425..5532, 5446..5517, 5460..5528, 5922..6185, 5923..6186, 5926..6186, 6273..6476, 6273..6473, 6275..6475, 6579..6701, 6713..6754 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 5425 | End | 7285 |
| GI | none | Score | 174 |
| Exons | 5425..5532, 5446..5523, 5460..5528, 5910..5978, 5922..6179, 5923..6186, 6273..6476, 6274..6477, 6275..6475, 6572..6601, 6576..6602, 6644..6739, 6644..6739, 6655..6753, 7009..7041, 7089..7112, 7108..7188, 7256..7285 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 5910 | End | 6605 |
| GI | none | Score | 73 |
| Exons | 5910..5978, 5925..6185, 5926..6186, 5926..6186, 6095..6220, 6273..6476, 6273..6473, 6274..6474, 6275..6475, 6572..6601, 6576..6605 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o4.tc | Method | TBLASTX:Cress |
| Start | 7701 | End | 7874 |
| GI | none | Score | 162 |
| Exons | 7701..7733, 7711..7734, 7724..7867, 7731..7874, 7740..7868 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |

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|---|---|---|---|
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.gs | Method | GENSCAN |
| Start | 8563 | End | 15035 |
| GI | none | Score | .65 |
| Exons | 8563..8756, 9384..9408, 9447..9528, 9714..9872, 9965..10153, 10684..10794, 10937..11058, 11358..11673, 11951..12061, 12168..12301, 12518..12612, 12697..12884, 13008..13084, 13718..13940, 14565..14730, 14831..15035 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.ts | Method | TBLASTX:Soybean |
| Start | 8760 | End | 11598 |
| GI | none | Score | 69 |
| Exons | 8760..8909, 9726..9785, 10102..10158, 10707..10793, 10708..10794, 10924..11061, 10937..11059, 11346..11588, 11349..11597, 11359..11598, 11359..11598 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o5.tm | Method | TBLASTX:Maize |
| Start | 8794 | End | 10797 |
| GI | none | Score | 135 |
| Exons | 8794..8898, 8796..8900, 9425..9529, 9442..9531, 9447..9542, 9447..9530, 9685..9867, 9686..9874, 9713..9874, 9714..9875, 9967..9984, 9985..10053, 9990..10055, 9990..10055, 10047..10154, 10102..10161, 10103..10192, 10683..10793, 10684..10797 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o2.tw | Method | TBLASTX:Wheat |
| Start | 10680 | End | 11426 |
| GI | none | Score | 150 |
| Exons | 10680..10793, 10681..10794, 10681..10794, 10863..11060, 10914..11060, 10924..11061, 11355..11426, 11360..11425 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.np | Method | AAT/NAP |
| Start | 10707 | End | 15181 |
| GI | 3287695 | Score | 1236 |
| Exons | 10707..10794, 10937..11058, 11358..11599, 11628..11805, 11951..12061, 12168..12306, 12498..12611, 12693..12884, 13008..13084, 13718..13940, 14565..14730, 14831..15181 | | |
| GI Descrip. | (AC003979) Similar to hypothetical protein C34B7.2 gb\|1729503 from C. elegans cosmid gb\|Z83220. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o2.tm | Method | TBLASTX:Maize |
| Start | 10962 | End | 13997 |
| GI | none | Score | 117 |

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|---|---|---|---|
| Exons | 10962..11060, 10963..11061, 10964..11059, 11346..11675, 11355..11675, 11359..11676, 11359..11676, 11957..12064, 11958..12062, 11959..12063, 11972..12070, 12159..12317, 12166..12318, 12166..12303, 12167..12316, 12512..12613, 12533..12610, 12543..12644, 12692..12886, 12699..12887, 12996..13088, 13004..13096, 13005..13088, 13010..13096, 13708..13995, 13718..13996, 13719..13997 | | |

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|---|---|---|---|
| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.tc | Method | TBLASTX:Cress |
| Start | 10963 | End | 11598 |
| GI | none | Score | 179 |
| Exons | 10963..11061, 11349..11597, 11353..11598 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o7.gp | Method | AAT/GAP |
| Start | 10978 | End | 12050 |
| GI | LIB3477-010-P1-K1-G1 | Score | 934 |
| Exons | 10978..11058, 11358..11673, 11951..12050 | | |
| GI Descrip. | '3287695 8.0e-37 (AC003979) Similar to hypothetical protein C34B7.2 gb_1729503 from C. elegans cosmid gb_Z83220. [Arabidopsis thaliana]' | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.tw | Method | TBLASTX:Wheat |
| Start | 11473 | End | 11649 |
| GI | none | Score | 187 |
| Exons | 11473..11649, 11475..11621 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o2.ts | Method | TBLASTX:Soybean |
| Start | 12245 | End | 13895 |
| GI | none | Score | 67 |
| Exons | 12245..12316, 12246..12317, 12518..12610, 12533..12610, 12698..12886, 12699..12887, 13004..13096, 13008..13088, 13716..13895, 13716..13823, 13718..13894 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o2.tc | Method | TBLASTX:Cress |
| Start | 13802 | End | 15032 |
| GI | none | Score | 90 |
| Exons | 13802..13942, 13803..13943, 14564..14647, 14564..14656, 14594..14731, 14664..14732, 14829..15032, 14830..14883, 14841..15032 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |

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|---|---|---|---|
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o4.ts | Method | TBLASTX:Soybean |
| Start | 14477 | End | 14963 |
| GI | none | Score | 135 |
| Exons | 14477..14731, 14493..14732, 14559..14732, 14829..14963, 14830..14883 | | |

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| Seq. No. | 7527 | Seq. ID | OJ990531_32.9A01.C11 |
| Gene No. | 15879 | Strand | - |
| Start | 8563 | End | 15181 |
| Name | OJ990531_32.9A01.C11.o3.tm | Method | TBLASTX:Maize |
| Start | 14562 | End | 15036 |
| GI | none | Score | 174 |
| Exons | 14562..14729, 14564..14731, 14566..14730, 14567..14731, 14820..15035, 14821..14883, 14829..15035, 14830..15036, 14989..15036 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15880 | Strand | + |
| Start | 871 | End | 1061 |
| Name | OJ990531_32.9A01.C12.o2.gp | Method | AAT/GAP |
| Start | 871 | End | 1061 |
| GI | 4138298 | Score | 283 |
| Exons | 871..1061 | | |
| GI Descrip. | 4138299/emb\|CAA75509\| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15881 | Strand | + |
| Start | 4360 | End | 8902 |
| Name | OJ990531_32.9A01.C12.o2.gs | Method | GENSCAN |
| Start | 4360 | End | 8902 |
| GI | none | Score | .83 |
| Exons | 4360..4416, 6636..6679, 6787..6853, 7638..7786, 8761..8902 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15882 | Strand | + |
| Start | 9269 | End | 11676 |
| Name | OJ990531_32.9A01.C12.o1.np | Method | AAT/NAP |
| Start | 9269 | End | 11014 |
| GI | 6721555 | Score | 868 |
| Exons | 9269..9324, 9483..9749, 9786..9985, 10391..10668, 10840..11014 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815080\|dbj\|BAA90366.1\| (AP001081) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15882 | Strand | + |
| Start | 9269 | End | 11676 |
| Name | OJ990531_32.9A01.C12.o4.gs | Method | GENSCAN |
| Start | 10397 | End | 11676 |
| GI | none | Score | .49 |
| Exons | 10397..10747, 10753..10906, 11345..11455, 11521..11676 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15883 | Strand | - |
| Start | 410 | End | 515 |

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|---|---|---|---|
| Name | OJ990531_32.9A01.C12.o1.gp | Method | AAT/GAP |
| Start | 410 | End | 515 |
| GI | 2442274 | Score | 183 |
| Exons | 410..515 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15884 | Strand | - |
| Start | 1556 | End | 2005 |
| Name | OJ990531_32.9A01.C12.o3.gp | Method | AAT/GAP |
| Start | 1556 | End | 2005 |
| GI | 4879953 | Score | 806 |
| Exons | 1556..2005 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15885 | Strand | - |
| Start | 9527 | End | 10014 |
| Name | OJ990531_32.9A01.C12.o3.gs | Method | GENSCAN |
| Start | 9527 | End | 9967 |
| GI | none | Score | .81 |
| Exons | 9527..9967 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15885 | Strand | - |
| Start | 9527 | End | 10014 |
| Name | OJ990531_32.9A01.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 9734 | End | 10014 |
| GI | none | Score | 117 |
| Exons | 9734..9853, 9744..9845, 9752..9880, 9842..9979, 9843..9968, 9857..10003, 9861..9983, 9892..10014 | | |

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| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15886 | Strand | |
| Start | 10550 | End | 10720 |
| Name | OJ990531_32.9A01.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 10550 | End | 10720 |
| GI | none | Score | 212 |
| Exons | 10550..10720, 10550..10684, 10561..10701 | | |

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|---|---|---|---|
| Seq. No. | 7528 | Seq. ID | OJ990531_32.9A01.C12 |
| Gene No. | 15886 | Strand | |
| Start | 10550 | End | 10720 |
| Name | OJ990531_32.9A01.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 10550 | End | 10720 |
| GI | none | Score | 211 |
| Exons | 10550..10720, 10558..10719 | | |

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| Seq. No. | 7529 | Seq. ID | OJ990531_32.9A01.C13 |
| Gene No. | 15887 | Strand | + |
| Start | 73 | End | 246 |
| Name | OJ990531_32.9A01.C13.o1.gs | Method | GENSCAN |
| Start | 73 | End | 246 |
| GI | none | Score | .8 |
| Exons | 73..246 | | |

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|---|---|---|---|
| Seq. No. | 7529 | Seq. ID | OJ990531_32.9A01.C13 |
| Gene No. | 15888 | Strand | - |
| Start | 1564 | End | 2096 |

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|---|---|---|---|
| Name | OJ990531_32.9A01.C13.o2.gs | Method | GENSCAN |
| Start | 1564 | End | 2096 |
| GI | none | Score | .64 |
| Exons | 1564..1688, 2015..2096 | | |

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| Seq. No. | 7529 | Seq. ID | OJ990531_32.9A01.C13 |
| Gene No. | 15889 | Strand | - |
| Start | 3645 | End | 4034 |
| Name | OJ990531_32.9A01.C13.o3.gs | Method | GENSCAN |
| Start | 3645 | End | 4034 |
| GI | none | Score | .72 |
| Exons | 3645..4034 | | |

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|---|---|---|---|
| Seq. No. | 7529 | Seq. ID | OJ990531_32.9A01.C13 |
| Gene No. | 15889 | Strand | - |
| Start | 3645 | End | 4034 |
| Name | OJ990531_32.9A01.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 3704 | End | 4024 |
| GI | none | Score | 175 |
| Exons | 3704..4024, 3726..4022 | | |

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|---|---|---|---|
| Seq. No. | 7530 | Seq. ID | OJ990531_32.9A01.C14 |
| Gene No. | 15890 | Strand | + |
| Start | 1 | End | 328 |
| Name | OJ990531_32.9A01.C14.o1.np | Method | AAT/NAP |
| Start | 1 | End | 328 |
| GI | 2146775 | Score | 296 |
| Exons | 1..328 | | |
| GI Descrip. | serine acetyltransferase (EC 2.3.1.30) SAT1 - Arabidopsis thaliana gi\|926939 (L42212) serine acetyltransferase [Arabidopsis thaliana] | | |

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| Seq. No. | 7530 | Seq. ID | OJ990531_32.9A01.C14 |
| Gene No. | 15890 | Strand | + |
| Start | 1 | End | 328 |
| Name | OJ990531_32.9A01.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 1 | End | 244 |
| GI | none | Score | 74 |
| Exons | 1..48, 2..49, 29..244, 55..243 | | |

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|---|---|---|---|
| Seq. No. | 7530 | Seq. ID | OJ990531_32.9A01.C14 |
| Gene No. | 15890 | Strand | + |
| Start | 1 | End | 328 |
| Name | OJ990531_32.9A01.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 2 | End | 244 |
| GI | none | Score | 270 |
| Exons | 2..244, 4..243 | | |

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|---|---|---|---|
| Seq. No. | 7530 | Seq. ID | OJ990531_32.9A01.C14 |
| Gene No. | 15890 | Strand | + |
| Start | 1 | End | 328 |
| Name | OJ990531_32.9A01.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 244 |
| GI | none | Score | 261 |
| Exons | 2..244, 4..243 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |

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|---|---|---|---|
| Gene No. | 15891 | Strand | + |
| Start | 1111 | End | 2038 |
| Name | OJ990531_32.9A01.C15.o1.gs | Method | GENSCAN |
| Start | 1111 | End | 2038 |
| GI | none | Score | .61 |
| Exons | 1111..1256, 1320..1461, 1943..2038 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15892 | Strand | - |
| Start | 6299 | End | 10858 |
| Name | OJ990531_32.9A01.C15.o2.np | Method | AAT/NAP |
| Start | 6299 | End | 9163 |
| GI | 5777623 | Score | 46 |
| Exons | 6299..6316, 9075..9163 | | |
| GI Descrip. | (AJ245900) CAA303711.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15892 | Strand | - |
| Start | 6299 | End | 10858 |
| Name | OJ990531_32.9A01.C15.o1.np | Method | AAT/NAP |
| Start | 8156 | End | 10858 |
| GI | 2464864 | Score | 497 |
| Exons | 8156..9423, 10818..10858 | | |
| GI Descrip. | (Z99707) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 8179 | End | 8625 |
| GI | none | Score | 120 |
| Exons | 8179..8625, 8186..8569 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o2.tm | Method | TBLASTX:Maize |
| Start | 8233 | End | 8575 |
| GI | none | Score | 95 |
| Exons | 8233..8574, 8248..8424, 8264..8491, 8537..8575 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 8383 | End | 9048 |
| GI | none | Score | 139 |
| Exons | 8383..8757, 8387..8740, 8875..9048 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 8578 | End | 9362 |
| GI | none | Score | 227 |
| Exons | 8578..8880, 8872..9138, 8872..9093, 9093..9239, 9094..9204, 9162..9362, 9271..9357 | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o1.gp | Method | AAT/GAP |
| Start | 10438 | End | 10900 |
| GI | LIB3432-059-P1-K1-D8 | Score | 772 |
| Exons | 10438..10900 | | |
| GI Descrip. | '5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01' | | |

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|---|---|---|---|
| Seq. No. | 7531 | Seq. ID | OJ990531_32.9A01.C15 |
| Gene No. | 15893 | Strand | - |
| Start | 11251 | End | 14269 |
| Name | OJ990531_32.9A01.C15.o3.gs | Method | GENSCAN |
| Start | 11251 | End | 14269 |
| GI | none | Score | .88 |
| Exons | 11251..11406, 13171..13310, 13405..14269 | | |

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|---|---|---|---|
| Seq. No. | 7532 | Seq. ID | OJ990531_32.9A01.C16 |
| Gene No. | 15894 | Strand | - |
| Start | 18 | End | 344 |
| Name | OJ990531_32.9A01.C16.o1.gs | Method | GENSCAN |
| Start | 18 | End | 344 |
| GI | none | Score | .44 |
| Exons | 18..344 | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 348 |
| GI | LIB3477-010-P1-K1-G1 | Score | 562 |
| Exons | 1..348 | | |
| GI Descrip. | '3287695 8.0e-37 (AC003979) Similar to hypothetical protein C34B7.2 gb_1729503 from C. elegans cosmid gb_Z83220. [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 346 |
| GI | 3287695 | Score | 225 |
| Exons | 1..346 | | |
| GI Descrip. | (AC003979) Similar to hypothetical protein C34B7.2 gb\|1729503 from C. elegans cosmid gb\|Z83220. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.gs | Method | GENSCAN |
| Start | 62 | End | 348 |
| GI | none | Score | .57 |
| Exons | 62..348 | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |

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|---|---|---|---|
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 69 | End | 360 |
| GI | none | Score | 306 |
| Exons | 69..347, 72..347, 79..351, 79..360 | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.tw | Method | TBLASTX:Wheat |
| Start | 79 | End | 235 |
| GI | none | Score | 210 |
| Exons | 79..231, 79..231, 86..235, 87..233 | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.tc | Method | TBLASTX:Cress |
| Start | 108 | End | 360 |
| GI | none | Score | 313 |
| Exons | 108..353, 109..357, 280..360 | | |

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|---|---|---|---|
| Seq. No. | 7533 | Seq. ID | OJ990531_32.9A01.C17 |
| Gene No. | 15895 | Strand | + |
| Start | 1 | End | 360 |
| Name | OJ990531_32.9A01.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 108 | End | 360 |
| GI | none | Score | 196 |
| Exons | 108..347, 108..347, 109..357, 118..360 | | |

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|---|---|---|---|
| Seq. No. | 7534 | Seq. ID | OJ990531_34.9A14.C1 |
| Gene No. | 15896 | Strand | + |
| Start | 284 | End | 471 |
| Name | OJ990531_34.9A14.C1.o1.gs | Method | GENSCAN |
| Start | 284 | End | 471 |
| GI | none | Score | .51 |
| Exons | 284..471 | | |

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|---|---|---|---|
| Seq. No. | 7534 | Seq. ID | OJ990531_34.9A14.C1 |
| Gene No. | 15897 | Strand | - |
| Start | 1 | End | 512 |
| Name | OJ990531_34.9A14.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 457 |
| GI | 3287695 | Score | 175 |
| Exons | 1..82, 233..457 | | |
| GI Descrip. | (AC003979) Similar to hypothetical protein C34B7.2 gb\|1729503 from C. elegans cosmid gb\|Z83220. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7534 | Seq. ID | OJ990531_34.9A14.C1 |
| Gene No. | 15897 | Strand | - |
| Start | 1 | End | 512 |
| Name | OJ990531_34.9A14.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 223 | End | 512 |
| GI | none | Score | 322 |
| Exons | 223..510, 233..511, 234..512 | | |

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| Seq. No. | 7534 | Seq. ID | OJ990531_34.9A14.C1 |
| Gene No. | 15897 | Strand | - |
| Start | 1 | End | 512 |
| Name | OJ990531_34.9A14.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 231 | End | 457 |
| GI | none | Score | 168 |
| Exons | 231..410, 231..338, 233..409, 419..457 | | |

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| Seq. No. | 7535 | Seq. ID | OJ990531_34.9A14.C2 |
| Gene No. | 15898 | Strand | + |
| Start | 622 | End | 725 |
| Name | OJ990531_34.9A14.C2.o1.gs | Method | GENSCAN |
| Start | 622 | End | 725 |
| GI | none | Score | .48 |
| Exons | 622..725 | | |

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|---|---|---|---|
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15899 | Strand | + |
| Start | 990 | End | 2529 |
| Name | OJ990531_34.9A14.C3.o1.gs | Method | GENSCAN |
| Start | 990 | End | 2219 |
| GI | none | Score | .95 |
| Exons | 990..1020, 1367..1404, 1455..1587, 1792..1953, 2062..2219 | | |

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|---|---|---|---|
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15899 | Strand | + |
| Start | 990 | End | 2529 |
| Name | OJ990531_34.9A14.C3.o1.np | Method | AAT/NAP |
| Start | 1453 | End | 2150 |
| GI | 1402891 | Score | 81 |
| Exons | 1453..1587, 1792..1963, 2062..2150 | | |
| GI Descrip. | (X98130) unknown [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15899 | Strand | + |
| Start | 990 | End | 2529 |
| Name | OJ990531_34.9A14.C3.o1.gp | Method | AAT/GAP |
| Start | 1809 | End | 2529 |
| GI | none | Score | 1114 |
| Exons | 1809..1953, 2062..2529 | | |

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|---|---|---|---|
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15900 | Strand | + |
| Start | 5234 | End | 7116 |
| Name | OJ990531_34.9A14.C3.o2.np | Method | AAT/NAP |
| Start | 4931 | End | 6788 |
| GI | 5042448 | Score | 159 |
| Exons | 4931..5135, 6769..6788 | | |
| GI Descrip. | (AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15900 | Strand | + |
| Start | 5234 | End | 7116 |
| Name | OJ990531_34.9A14.C3.o2.gs | Method | GENSCAN |
| Start | 5234 | End | 7116 |
| GI | none | Score | .93 |

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|---|---|---|---|
| Exons | 5234..5271, 5929..6036, 6648..7116 | | |
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15901 | Strand | + |
| Start | 9981 | End | 12373 |
| Name | OJ990531_34.9A14.C3.o3.np | Method | AAT/NAP |
| Start | 9981 | End | 12373 |
| GI | 2459433 | Score | 232 |
| Exons | 9981..10178, 11747..11826, 12094..12373 | | |
| GI Descrip. | (AC002332) hypothetical protein [Arabidopsis thaliana] | | |
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15902 | Strand | + |
| Start | 14694 | End | 17706 |
| Name | OJ990531_34.9A14.C3.o4.gs | Method | GENSCAN |
| Start | 14694 | End | 17706 |
| GI | none | Score | .51 |
| Exons | 14694..14760, 15488..15632, 17490..17706 | | |
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15903 | Strand | - |
| Start | 8906 | End | 13845 |
| Name | OJ990531_34.9A14.C3.o3.gs | Method | GENSCAN |
| Start | 8906 | End | 13845 |
| GI | none | Score | .43 |
| Exons | 8906..8929, 9307..9421, 9781..10147, 10152..10304, 10779..10923, 11785..11991, 11999..12468, 13791..13845 | | |
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15904 | Strand | - |
| Start | 18828 | End | 18997 |
| Name | OJ990531_34.9A14.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 1452 | End | 2295 |
| GI | none | Score | 53 |
| Exons | 1452..1541, 1455..1541, 1530..1586, 1555..1587, 1786..1938, 1790..1984, 1791..1955, 2060..2116, 2061..2117, 2126..2230, 2132..2224, 2269..2295, 2272..2295 | | |
| Seq. No. | 7536 | Seq. ID | OJ990531_34.9A14.C3 |
| Gene No. | 15904 | Strand | - |
| Start | 18828 | End | 18997 |
| Name | OJ990531_34.9A14.C3.o5.gs | Method | GENSCAN |
| Start | 18828 | End | 18997 |
| GI | none | Score | .58 |
| Exons | 18828..18997 | | |
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15905 | Strand | + |
| Start | 919 | End | 1506 |
| Name | OJ990531_34.9A14.C4.o1.gs | Method | GENSCAN |
| Start | 919 | End | 1506 |
| GI | none | Score | .96 |
| Exons | 919..1220, 1225..1506 | | |
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15906 | Strand | + |
| Start | 14251 | End | 14671 |

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|---|---|---|---|
| Name | OJ990531_34.9A14.C4.o3.gs | Method | GENSCAN |
| Start | 14251 | End | 14671 |
| GI | none | Score | .71 |
| Exons | 14251..14446, 14451..14671 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15907 | Strand | + |
| Start | 17563 | End | 18143 |
| Name | OJ990531_34.9A14.C4.o5.gs | Method | GENSCAN |
| Start | 17563 | End | 18143 |
| GI | none | Score | .69 |
| Exons | 17563..17604, 17930..18055, 18111..18143 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15908 | Strand | + |
| Start | 22818 | End | 23768 |
| Name | OJ990531_34.9A14.C4.o6.gs | Method | GENSCAN |
| Start | 22818 | End | 23768 |
| GI | none | Score | .62 |
| Exons | 22818..23034, 23499..23650, 23739..23768 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15909 | Strand | + |
| Start | 26330 | End | 26734 |
| Name | OJ990531_34.9A14.C4.o1.np | Method | AAT/NAP |
| Start | 26330 | End | 26734 |
| GI | 2462640 | Score | 515 |
| Exons | 26330..26734 | | |
| GI Descrip. | (Y13370) reverse transcriptase [Oryza sativa] | | |

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| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15910 | Strand | - |
| Start | 15710 | End | 17180 |
| Name | OJ990531_34.9A14.C4.o4.gs | Method | GENSCAN |
| Start | 15710 | End | 17180 |
| GI | none | Score | .67 |
| Exons | 15710..15949, 16968..17180 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15911 | Strand | - |
| Start | 23991 | End | 24458 |
| Name | OJ990531_34.9A14.C4.o7.gs | Method | GENSCAN |
| Start | 23991 | End | 24458 |
| GI | none | Score | 1 |
| Exons | 23991..24458 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o2.tw | Method | TBLASTX:Wheat |
| Start | 15164 | End | 15306 |
| GI | none | Score | 189 |
| Exons | 15164..15277, 15165..15275, 15169..15276, 15169..15306 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |

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|---|---|---|---|
| Name | OJ990531_34.9A14.C4.o4.tm | Method | TBLASTX:Maize |
| Start | 15164 | End | 15306 |
| GI | none | Score | 194 |
| Exons | 15164..15277, 15165..15275, 15169..15276, 15169..15306 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 26366 | End | 27284 |
| GI | none | Score | 268 |
| Exons | 26366..26788, 26704..26787, 26837..26962, 26963..27145, 27165..27284 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 27285 | End | 27668 |
| GI | none | Score | 202 |
| Exons | 27285..27488, 27356..27478, 27495..27548, 27552..27668, 27557..27634 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 27320 | End | 27611 |
| GI | none | Score | 332 |
| Exons | 27320..27610, 27327..27611 | | |

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| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o3.tm | Method | TBLASTX:Maize |
| Start | 27855 | End | 28233 |
| GI | none | Score | 71 |
| Exons | 27855..27977, 27952..28233 | | |

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| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o10.gs | Method | GENSCAN |
| Start | 30182 | End | 30887 |
| GI | none | Score | .78 |
| Exons | 30182..30255, 30723..30887 | | |

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|---|---|---|---|
| Seq. No. | 7537 | Seq. ID | OJ990531_34.9A14.C4 |
| Gene No. | 15912 | Strand | - |
| Start | 30182 | End | 31369 |
| Name | OJ990531_34.9A14.C4.o4.np | Method | AAT/NAP |
| Start | 30766 | End | 31369 |
| GI | 6498436 | Score | 274 |
| Exons | 30766..30889, 31096..31369 | | |
| GI Descrip. | (AP000815) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7538 | Seq. ID | OJ990531_34.9A14.C5 |

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|---|---|---|---|
| Gene No. | 15913 | Strand | + |
| Start | 96 | End | 627 |
| Name | OJ990531_34.9A14.C5.o1.gs | Method | GENSCAN |
| Start | 96 | End | 627 |
| GI | none | Score | .67 |
| Exons | 96..151, 182..324, 429..627 | | |

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|---|---|---|---|
| Seq. No. | 7539 | Seq. ID | OJ990531_34.9A14.C6 |
| Gene No. | 15914 | Strand | + |
| Start | 852 | End | 5276 |
| Name | OJ990531_34.9A14.C6.o1.np | Method | AAT/NAP |
| Start | 852 | End | 5276 |
| GI | 6815052 | Score | 380 |
| Exons | 852..909, 4556..4720, 4802..4874, 5155..5276 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7539 | Seq. ID | OJ990531_34.9A14.C6 |
| Gene No. | 15914 | Strand | + |
| Start | 852 | End | 5276 |
| Name | OJ990531_34.9A14.C6.o1.gp | Method | AAT/GAP |
| Start | 3474 | End | 3977 |
| GI | uC-osf1M202069b02a1 | Score | 793 |
| Exons | 3474..3630, 3725..3977 | | |
| GI Descrip. | '4895179/gb\|AAD32766.1\|AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7539 | Seq. ID | OJ990531_34.9A14.C6 |
| Gene No. | 15915 | Strand | - |
| Start | 5106 | End | 5501 |
| Name | OJ990531_34.9A14.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 462 | End | 3837 |
| GI | none | Score | 129 |
| Exons | 462..584, 3501..3632, 3502..3633, 3508..3639, 3722..3811, 3724..3837 | | |

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|---|---|---|---|
| Seq. No. | 7539 | Seq. ID | OJ990531_34.9A14.C6 |
| Gene No. | 15915 | Strand | - |
| Start | 5106 | End | 5501 |
| Name | OJ990531_34.9A14.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 3562 | End | 3822 |
| GI | none | Score | 120 |
| Exons | 3562..3630, 3565..3633, 3575..3634, 3718..3822, 3722..3808 | | |

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|---|---|---|---|
| Seq. No. | 7539 | Seq. ID | OJ990531_34.9A14.C6 |
| Gene No. | 15915 | Strand | - |
| Start | 5106 | End | 5501 |
| Name | OJ990531_34.9A14.C6.o2.gs | Method | GENSCAN |
| Start | 5106 | End | 5501 |
| GI | none | Score | .88 |
| Exons | 5106..5233, 5294..5501 | | |

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|---|---|---|---|
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15916 | Strand | + |
| Start | 6230 | End | 14721 |
| Name | OJ990531_34.9A14.C7.o3.gs | Method | GENSCAN |
| Start | 6230 | End | 14513 |
| GI | none | Score | .68 |

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|---|---|---|---|
| Exons | 6230..6286, 9458..9632, 10052..10169, 10629..10752, 11452..11524, 11634..11711, 11874..11935, 12334..12362, 12448..12655, 12728..12958, 13391..13444, 13790..13981, 14026..14164, 14311..14513 | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15916 | Strand | + |
| Start | 6230 | End | 14721 |
| Name | OJ990531_34.9A14.C7.o1.np | Method | AAT/NAP |
| Start | 10266 | End | 14721 |
| GI | 2459431 | Score | 351 |
| Exons | 10266..10369, 11445..11524, 11634..11708, 11874..11935, 12728..13017, 13787..14721 | | |
| GI Descrip. | (AC002332) unknown protein [Arabidopsis thaliana] | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15916 | Strand | + |
| Start | 6230 | End | 14721 |
| Name | OJ990531_34.9A14.C7.o2.gp | Method | AAT/GAP |
| Start | 10311 | End | 10602 |
| GI | 3761679 | Score | 285 |
| Exons | 10311..10428, 10520..10602 | | |
| GI Descrip. | 5042437/gb\|AC007789.1\|AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15917 | Strand | - |
| Start | 25 | End | 708 |
| Name | OJ990531_34.9A14.C7.o1.gs | Method | GENSCAN |
| Start | 25 | End | 708 |
| GI | none | Score | .91 |
| Exons | 25..708 | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15918 | Strand | |
| Start | 11873 | End | 13444 |
| Name | OJ990531_34.9A14.C7.o1.ts | Method | TBLASTX;Soybean |
| Start | 11873 | End | 12982 |
| GI | none | Score | 65 |
| Exons | 11873..11944, 12061..12129, 12069..12155, 12301..12363, 12318..12365, 12445..12654, 12446..12658, 12722..12886, 12725..12859, 12831..12956, 12833..12982 | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15918 | Strand | |
| Start | 11873 | End | 13444 |
| Name | OJ990531_34.9A14.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 12330 | End | 12907 |
| GI | none | Score | 45 |
| Exons | 12330..12365, 12331..12363, 12446..12658, 12448..12651, 12725..12838, 12727..12807, 12878..12907 | | |
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15918 | Strand | |
| Start | 11873 | End | 13444 |
| Name | OJ990531_34.9A14.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 12506 | End | 12931 |

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|---|---|---|---|
| GI | none | Score | 161 |
| Exons | 12506..12658, 12511..12636, 12725..12853, 12881..12931 | | |

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|---|---|---|---|
| Seq. No. | 7540 | Seq. ID | OJ990531_34.9A14.C7 |
| Gene No. | 15918 | Strand | |
| Start | 11873 | End | 13444 |
| Name | OJ990531_34.9A14.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 12716 | End | 13444 |
| GI | none | Score | 205 |
| Exons | 12716..12886, 12721..12807, 12722..12886, 12830..12961, 12830..12979, 13394..13444 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15919 | Strand | + |
| Start | 319 | End | 3372 |
| Name | OJ990531_34.9A14.C8.o1.gp | Method | AAT/GAP |
| Start | 319 | End | 593 |
| GI | 5005533 | Score | 529 |
| Exons | 319..593 | | |
| GI Descrip. | 642357/emb\|X83834\|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial) | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15919 | Strand | + |
| Start | 319 | End | 3372 |
| Name | OJ990531_34.9A14.C8.o1.gs | Method | GENSCAN |
| Start | 319 | End | 3125 |
| GI | none | Score | .73 |
| Exons | 319..370, 2667..2869, 3033..3125 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15919 | Strand | + |
| Start | 319 | End | 3372 |
| Name | OJ990531_34.9A14.C8.o2.gp | Method | AAT/GAP |
| Start | 2750 | End | 3372 |
| GI | uC-osflcyp155h09b1 | Score | 288 |
| Exons | 2750..2908, 3333..3372 | | |
| GI Descrip. | '642357/emb\|X83834\|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)' | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15920 | Strand | + |
| Start | 5439 | End | 5855 |
| Name | OJ990531_34.9A14.C8.o3.gp | Method | AAT/GAP |
| Start | 5439 | End | 5855 |
| GI | uC-osflcyp155h09b1 | Score | 724 |
| Exons | 5439..5855 | | |
| GI Descrip. | '642357/emb\|X83834\|TA28SRRNA 5.0e-25 T.aralioides 28S rRNA gene (partial)' | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o1.np | Method | AAT/NAP |
| Start | 3619 | End | 5828 |
| GI | 5734745 | Score | 1139 |
| Exons | 3619..5828 | | |

GI Descrip. (AC007651) Similar to disease resistance proteins [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o2.gs | Method | GENSCAN |
| Start | 3628 | End | 14325 |
| GI | none | Score | .69 |
| Exons | 3628..4458, 4755..5853, 7695..7811, 7987..8165, 8804..9008, 9205..9329, 9415..9561, 11531..11617, 11736..11912, 14191..14325 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o5.tm | Method | TBLASTX:Maize |
| Start | 3670 | End | 4338 |
| GI | none | Score | 58 |
| Exons | 3670..3717, 3673..3756, 3722..3928, 3728..3916, 3739..3927, 4213..4338, 4237..4338 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 3803 | End | 5249 |
| GI | none | Score | 78 |
| Exons | 3803..3922, 3805..3924, 3850..4110, 3850..4107, 3853..4107, 3922..4107, 4189..4335, 4189..4335, 4207..4338, 4213..4437, 4243..4338, 4533..4751, 4551..4730, 4560..4739, 4761..4958, 4896..5153, 4974..5156, 4974..5153, 5184..5249, 5184..5249 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 3847 | End | 6776 |
| GI | none | Score | 59 |
| Exons | 3847..4008, 3850..3987, 4243..4338, 4262..4435, 4554..4745, 4560..4694, 4749..5105, 4749..5126, 4750..5127, 4963..5178, 4965..5165, 6702..6776 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 3853 | End | 5315 |
| GI | none | Score | 79 |
| Exons | 3853..3912, 3853..4107, 3853..4092, 3853..4107, 3853..4008, 3853..4008, 3895..4107, 3907..4107, 3908..4114, 3976..4107, 4057..4107, 4127..4174, 4135..4455, 4186..4338, 4210..4335, 4213..4443, 4213..4341, 4216..4338, 4231..4440, 4231..4338, 4231..4440, 4262..4402, 4551..4730, 4551..4970, 4551..4751, 4551..4814, 4551..4739, 4560..4733, 4560..4730, 4593..4745, 4674..4739, 4755..4958, 4755..4973, 4758..4967, 4761..4958, 4761..5165, 4761..4955, 4761..4961, 4761..4967, 4881..4949, 4902..5153, 4962..5153, 4974..5090, 4974..5123, 4974..5138, | | |

4974..5153, 5106..5246, 5262..5315

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 3928 | End | 6767 |
| GI | none | Score | 148 |
| Exons | 3928..4098, 3946..4113, 4566..4931, 4573..4848, 4740..4925, 4779..4958, 5004..5243, 5046..5153, 5184..5312, 6690..6767 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o4.gp | Method | AAT/GAP |
| Start | 7441 | End | 8098 |
| GI | 2574_1.R1084 | Score | 813 |
| Exons | 7441..7811, 7918..8098 | | |
| GI Descrip. | '310732/gb\|L08786\|SYNBLSKMV 2.0e-13 BlueScribe SK Minus cloning vector' | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 7640 | End | 8082 |
| GI | none | Score | 183 |
| Exons | 7640..7810, 7644..7811, 7644..7811, 7645..7812, 7905..8000, 7918..8004, 7992..8081, 7992..8078, 7993..8082 | | |

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| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 7916 | End | 8170 |
| GI | none | Score | 91 |
| Exons | 7916..7984, 7917..8018, 7918..8019, 8007..8168, 8042..8170, 8095..8166 | | |

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| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o6.tm | Method | TBLASTX:Maize |
| Start | 8084 | End | 8977 |
| GI | none | Score | 55 |
| Exons | 8084..8122, 8085..8126, 8124..8168, 8124..8168, 8816..8977, 8826..8975 | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o5.gp | Method | AAT/GAP |
| Start | 8811 | End | 8981 |
| GI | LIB3434-056-P1-K1-E3 | Score | 299 |
| Exons | 8811..8981 | | |
| GI Descrip. | '1621495/dbj\|BAA12903\| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 9190 | End | 10170 |
| GI | none | Score | 147 |
| Exons | 9190..9327, 9198..9329, 9203..9331, 9204..9332, 9412..9528, 9415..9540, 9416..9535, 9531..9563, 9532..9579, 9532..9567, 9949..10164, 9957..10169, 9960..10163, 10000..10170 | | |

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| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o6.gp | Method | AAT/GAP |
| Start | 10369 | End | 11631 |
| GI | 53621_1.R1084 | Score | 997 |
| Exons | 10369..10615, 10701..10878, 11531..11631 | | |
| GI Descrip. | '1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence' | | |

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| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o4.tm | Method | TBLASTX:Maize |
| Start | 10391 | End | 10869 |
| GI | none | Score | 70 |
| Exons | 10391..10453, 10393..10458, 10393..10458, 10462..10614, 10462..10614, 10721..10783, 10732..10785, 10778..10831, 10779..10829, 10822..10869, 10831..10869 | | |

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| Seq. No. | 7541 | Seq. ID | OJ990531_34.9A14.C8 |
| Gene No. | 15921 | Strand | - |
| Start | 3628 | End | 14325 |
| Name | OJ990531_34.9A14.C8.o7.tm | Method | TBLASTX:Maize |
| Start | 12303 | End | 12617 |
| GI | none | Score | 205 |
| Exons | 12303..12617 | | |

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|---|---|---|---|
| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15922 | Strand | + |
| Start | 4356 | End | 4789 |
| Name | OJ990531_34.9A14.C9.o1.gs | Method | GENSCAN |
| Start | 4356 | End | 4789 |
| GI | none | Score | .98 |
| Exons | 4356..4789 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15923 | Strand | + |
| Start | 5293 | End | 8201 |
| Name | OJ990531_34.9A14.C9.o1.np | Method | AAT/NAP |
| Start | 5293 | End | 8201 |
| GI | 2144418 | Score | 122 |
| Exons | 5293..5314, 6609..6914, 8181..8201 | | |
| GI Descrip. | protein kinase (EC 2.7.1.37) PHO85 - yeast (Saccharomyces cerevisiae) | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15923 | Strand | + |
| Start | 5293 | End | 8201 |
| Name | OJ990531_34.9A14.C9.o2.gs | Method | GENSCAN |
| Start | 6306 | End | 7718 |
| GI | none | Score | .88 |
| Exons | 6306..6426, 6606..6747, 6862..7030, 7581..7718 | | |

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|---|---|---|---|
| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15924 | Strand | + |
| Start | 14076 | End | 15378 |
| Name | OJ990531_34.9A14.C9.o4.gs | Method | GENSCAN |
| Start | 14076 | End | 15378 |
| GI | none | Score | .63 |
| Exons | 14076..14191, 14196..14352, 14393..14518, 15070..15378 | | |

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|---|---|---|---|
| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15924 | Strand | + |
| Start | 14076 | End | 15378 |
| Name | OJ990531_34.9A14.C9.o3.np | Method | AAT/NAP |
| Start | 14099 | End | 14507 |
| GI | 6017119 | Score | 109 |
| Exons | 14099..14507 | | |
| GI Descrip. | (AC009895) unknown protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 6431 | End | 6741 |
| GI | none | Score | 80 |
| Exons | 6431..6514, 6435..6515, 6610..6741, 6617..6739 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 7361 | End | 7709 |
| GI | none | Score | 116 |
| Exons | 7361..7501, 7378..7500, 7580..7696, 7581..7709 | | |

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|---|---|---|---|
| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 8823 | End | 15465 |
| GI | none | Score | 150 |
| Exons | 8823..9014, 8823..9014, 8830..9024, 8830..9030, 8831..9037, 8840..9031, 9096..9302, 9098..9304, 9107..9301, 9109..9324, 9389..9502, 9391..9510, 9391..9507, 9651..9734, 9652..9732, 9653..9742, 9657..9755, 10154..10246, 10176..10271, 10176..10274, 10177..10272, 10379..10426, 10379..10543, 10424..10636, 10428..10487, 10521..10628, 10550..10636, 10716..10775, 10717..10773, 10864..10929, 10868..10927, 10872..10931, 10995..11054, 10997..11071, 10998..11072, 11154..11219, 15418..15465 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 8834 | End | 9510 |
| GI | none | Score | 217 |
| Exons | 8834..9016, 8839..9030, 8840..9031, 9096..9302, 9107..9304, 9107..9301, 9120..9302, 9391..9510, 9391..9504 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 8837 | End | 11072 |
| GI | none | Score | 186 |
| Exons | 8837..9016, 8839..9030, 8840..9031, 9107..9301, 9111..9302, 9382..9510, 9391..9507, 9636..9755, 9653..9742, 10176..10265, 10176..10274, 10177..10272, 10379..10426, 10475..10636, 10566..10634, 10728..10775, 10735..10773, 10864..10929, 10868..10927, 10870..10929, 10979..11068, 10997..11071, 10998..11072 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 8839 | End | 11036 |
| GI | none | Score | 179 |
| Exons | 8839..9030, 8840..9031, 8841..9032, 8841..9032, 9107..9301, 9111..9302, 9120..9302, 9391..9507, 9398..9502, 9653..9742, 9654..9743, 9657..9755, 10176..10274, 10177..10272, 10379..10540, 10566..10628, 10725..10775, 10726..10773, 10864..10926, 10868..10927, 10995..11036, 10997..11035 | | |

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| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o3.gs | Method | GENSCAN |
| Start | 8839 | End | 13899 |
| GI | none | Score | .58 |
| Exons | 8839..9030, 9107..9301, 9391..9501, 9653..9743, 10177..10271, 10382..10633, 10728..10772, 10873..10928, 10996..11070, 11478..11538, 12188..12283, 13150..13899 | | |

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|---|---|---|---|
| Seq. No. | 7542 | Seq. ID | OJ990531_34.9A14.C9 |
| Gene No. | 15925 | Strand | - |
| Start | 8839 | End | 15465 |
| Name | OJ990531_34.9A14.C9.o2.np | Method | AAT/NAP |
| Start | 8842 | End | 11070 |
| GI | 4455214 | Score | 1005 |
| Exons | 8842..9030, 9107..9301, 9391..9501, 9653..9743, 10177..10271, 10382..10633, 10671..10772, 10873..10928, 10996..11070 | | |
| GI Descrip. | (AL035440) putative dihydrolipoamide succinyltransferase [Arabidopsis thaliana] | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15926 | Strand | + |

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|---|---|---|---|
| Start | 1344 | End | 1514 |
| Name | OJ990531_34.9A14.C10.o1.gs | Method | GENSCAN |
| Start | 1344 | End | 1514 |
| GI | none | Score | .56 |
| Exons | 1344..1402, 1487..1514 | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15927 | Strand | + |
| Start | 10108 | End | 20530 |
| Name | OJ990531_34.9A14.C10.o3.gs | Method | GENSCAN |
| Start | 10108 | End | 20112 |
| GI | none | Score | .43 |
| Exons | 10108..10147, 10936..11015, 13175..13238, 13510..13632, 14717..14920, 15095..15178, 15899..16072, 16433..16569, 19090..19200, 19266..19690, 19692..20112 | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15927 | Strand | + |
| Start | 10108 | End | 20530 |
| Name | OJ990531_34.9A14.C10.o2.np | Method | AAT/NAP |
| Start | 14666 | End | 18176 |
| GI | 4582447 | Score | 331 |
| Exons | 14666..14715, 17011..18176 | | |
| GI Descrip. | (AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana] | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15927 | Strand | + |
| Start | 10108 | End | 20530 |
| Name | OJ990531_34.9A14.C10.o3.np | Method | AAT/NAP |
| Start | 18935 | End | 20530 |
| GI | 6907087 | Score | 583 |
| Exons | 18935..19309, 19355..19879, 20429..20530 | | |
| GI Descrip. | (AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15928 | Strand | - |
| Start | 3306 | End | 9299 |
| Name | OJ990531_34.9A14.C10.o2.gs | Method | GENSCAN |
| Start | 3306 | End | 9299 |
| GI | none | Score | .47 |
| Exons | 3306..3426, 4686..4865, 4956..5152, 5262..5357, 5459..5659, 5774..5854, 6021..6080, 7632..7840, 7927..8038, 8338..8511, 8877..9086, 9183..9299 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15928 | Strand | - |
| Start | 3306 | End | 9299 |
| Name | OJ990531_34.9A14.C10.o1.gp | Method | AAT/GAP |
| Start | 4452 | End | 5551 |
| GI | 16263_1.R1084 | Score | 1355 |
| Exons | 4452..4865, 4956..5152, 5262..5357, 5459..5551 | | |
| GI Descrip. | '2132388/pir\|\|S62011 3.0e-22 PHO85 protein - yeast (Saccharomyces cerevisiae) >gi_1163103 (U43503) Lph16p [Saccharomyces cerevisiae]' | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15928 | Strand | - |
| Start | 3306 | End | 9299 |
| Name | OJ990531_34.9A14.C10.o1.np | Method | AAT/NAP |
| Start | 4637 | End | 8089 |
| GI | 6513927 | Score | 852 |
| Exons | 4637..4710, 4738..4865, 4956..5152, 5262..5357, 5459..5659, 5774..5854, 6021..6080, 7632..7778, 7994..8089 | | |
| GI Descrip. | (AC011664) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15929 | Strand | - |
| Start | 10214 | End | 10347 |
| Name | OJ990531_34.9A14.C10.o2.gp | Method | AAT/GAP |
| Start | 10214 | End | 10347 |
| GI | LIB3474-009-P1-K1-F11 | Score | 228 |
| Exons | 10214..10347 | | |
| GI Descrip. | '4455244/emb\|CAB36743.1\| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 4631 | End | 8047 |
| GI | none | Score | 97 |
| Exons | 4631..4729, 4638..4730, 4728..4874, 4736..4867, 4746..4880, 4789..4875, 4946..5152, 4947..5117, 4952..5158, 5229..5360, 5260..5358, 5261..5362, 5262..5360, 5456..5662, 5456..5656, 5752..5853, 5771..5854, 5772..5855, 6016..6081, 6021..6083, 6021..6086, 7623..7760, 7632..7775, 7660..7776, 7937..8047, 7944..8030 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 4632 | End | 5152 |
| GI | none | Score | 44 |
| Exons | 4632..4700, 4640..4723, 4766..4867, 4773..4871, 4954..5148, 4956..5126, 4958..5152, 4964..5146 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 4640 | End | 5152 |
| GI | none | Score | 46 |
| Exons | 4640..4699, 4641..4727, 4751..4867, 4752..4868, 4825..4884, 4956..5066, 4958..5152, 4959..5126 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o2.tc | Method | TBLASTX:Cress |
| Start | 5212 | End | 5836 |

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|---|---|---|---|
| GI | none | Score | 78 |
| Exons | 5212..5331, 5229..5339, 5456..5656, 5474..5647, 5541..5657, 5771..5836 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 5474 | End | 7776 |
| GI | none | Score | 118 |
| Exons | 5474..5632, 5474..5647, 5538..5633, 6009..6086, 6025..6081, 7599..7760, 7617..7775, 7660..7776 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 17576 | End | 17908 |
| GI | none | Score | 213 |
| Exons | 17576..17908, 17665..17838 | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 17582 | End | 18272 |
| GI | none | Score | 271 |
| Exons | 17582..17902, 17620..17901, 17660..17902, 17904..18068, 17912..17995, 18114..18272 | | |

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|---|---|---|---|
| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 17918 | End | 18257 |
| GI | none | Score | 126 |
| Exons | 17918..18046, 17919..18047, 18114..18188, 18198..18257 | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o4.np | Method | AAT/NAP |
| Start | 20919 | End | 21387 |
| GI | 4680186 | Score | 160 |
| Exons | 20919..21108, 21361..21387 | | |
| GI Descrip. | (AF111709) unknown [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7543 | Seq. ID | OJ990531_34.9A14.C10 |
| Gene No. | 15930 | Strand | - |
| Start | 21062 | End | 21387 |
| Name | OJ990531_34.9A14.C10.o4.gs | Method | GENSCAN |
| Start | 21062 | End | 21220 |
| GI | none | Score | .86 |
| Exons | 21062..21220 | | |

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|---|---|---|---|
| Seq. No. | 7544 | Seq. ID | OJ990531_34.9A14.C11 |
| Gene No. | 15931 | Strand | |

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|---|---|---|---|
| Start | 683 | End | 1216 |
| Name | OJ990531_34.9A14.C11.o1.tw | Method | TBLASTX:Wheat |
| Start | 683 | End | 1216 |
| GI | none | Score | 171 |
| Exons | 683..907, 882..1040, 1124..1216 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o1.gs | Method | GENSCAN |
| Start | 165 | End | 3770 |
| GI | none | Score | .64 |
| Exons | 165..347, 1331..1531, 2850..3770 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o1.np | Method | AAT/NAP |
| Start | 2892 | End | 7547 |
| GI | 6705984 | Score | 4926 |
| Exons | 2892..3734, 5180..7547 | | |
| GI Descrip. | (AB033235) gag-pol polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o4.tm | Method | TBLASTX:Maize |
| Start | 3327 | End | 3572 |
| GI | none | Score | 243 |
| Exons | 3327..3572, 3338..3559 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 3333 | End | 5366 |
| GI | none | Score | 195 |
| Exons | 3333..3539, 3350..3514, 3375..3521, 3530..3727, 3540..3728, 3545..3709, 3549..3728, 5152..5352, 5177..5353, 5190..5366 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o3.ts | Method | TBLASTX:Soybean |
| Start | 3354 | End | 3734 |
| GI | none | Score | 142 |
| Exons | 3354..3521, 3554..3673, 3555..3734 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o2.gs | Method | GENSCAN |
| Start | 4744 | End | 7269 |
| GI | none | Score | .43 |
| Exons | 4744..4816, 5277..6370, 6478..6661, 6701..7269 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |

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|---|---|---|---|
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 5732 | End | 6226 |
| GI | none | Score | 350 |
| Exons | 5732..6013, 5740..6000, 5761..6015, 6006..6191, 6014..6184, 6020..6226 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o2.ts | Method | TBLASTX:Soybean |
| Start | 5783 | End | 6244 |
| GI | none | Score | 203 |
| Exons | 5783..6052, 5815..6048, 6044..6244, 6133..6180 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o3.tm | Method | TBLASTX:Maize |
| Start | 5969 | End | 6232 |
| GI | none | Score | 285 |
| Exons | 5969..6232, 5974..6081, 5978..6184 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o5.tm | Method | TBLASTX:Maize |
| Start | 6426 | End | 6591 |
| GI | none | Score | 222 |
| Exons | 6426..6590, 6439..6591 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o3.tw | Method | TBLASTX:Wheat |
| Start | 6547 | End | 7020 |
| GI | none | Score | 75 |
| Exons | 6547..6702, 6705..6992, 6706..7020 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 6709 | End | 7074 |
| GI | none | Score | 306 |
| Exons | 6709..7074, 6711..7031 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 6997 | End | 7355 |
| GI | none | Score | 298 |
| Exons | 6997..7347, 7002..7085, 7116..7355 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |

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|---|---|---|---|
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o4.tw | Method | TBLASTX:Wheat |
| Start | 7069 | End | 7470 |
| GI | none | Score | 269 |
| Exons | 7069..7470, 7116..7370 | | |

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|---|---|---|---|
| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 7117 | End | 7539 |
| GI | none | Score | 326 |
| Exons | 7117..7539, 7158..7538 | | |

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| Seq. No. | 7545 | Seq. ID | OJ990531_34.9A14.C12 |
| Gene No. | 15932 | Strand | + |
| Start | 165 | End | 7547 |
| Name | OJ990531_34.9A14.C12.o4.ts | Method | TBLASTX:Soybean |
| Start | 7381 | End | 7547 |
| GI | none | Score | 200 |
| Exons | 7381..7545, 7407..7547 | | |

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| Seq. No. | 7546 | Seq. ID | OJ990531_34.9A14.C13 |
| Gene No. | 15933 | Strand | + |
| Start | 1 | End | 713 |
| Name | OJ990531_34.9A14.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 713 |
| GI | 6705984 | Score | 696 |
| Exons | 1..713 | | |
| GI Descrip. | (AB033235) gag-pol polyprotein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7546 | Seq. ID | OJ990531_34.9A14.C13 |
| Gene No. | 15933 | Strand | + |
| Start | 1 | End | 713 |
| Name | OJ990531_34.9A14.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 126 | End | 505 |
| GI | none | Score | 442 |
| Exons | 126..491, 128..505, 394..495 | | |

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|---|---|---|---|
| Seq. No. | 7546 | Seq. ID | OJ990531_34.9A14.C13 |
| Gene No. | 15933 | Strand | + |
| Start | 1 | End | 713 |
| Name | OJ990531_34.9A14.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 291 | End | 491 |
| GI | none | Score | 212 |
| Exons | 291..491, 293..490 | | |

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| Seq. No. | 7546 | Seq. ID | OJ990531_34.9A14.C13 |
| Gene No. | 15933 | Strand | + |
| Start | 1 | End | 713 |
| Name | OJ990531_34.9A14.C13.o1.gs | Method | GENSCAN |
| Start | 334 | End | 528 |
| GI | none | Score | .74 |
| Exons | 334..528 | | |

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| Seq. No. | 7547 | Seq. ID | OJ990531_34.9A14.C15 |

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|---|---|---|---|
| Gene No. | 15934 | Strand | + |
| Start | 1 | End | 536 |
| Name | OJ990531_34.9A14.C15.o1.np | Method | AAT/NAP |
| Start | 1 | End | 536 |
| GI | 2498930 | Score | 46 |
| Exons | 1..50, 472..536 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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|---|---|---|---|
| Seq. No. | 7547 | Seq. ID | OJ990531_34.9A14.C15 |
| Gene No. | 15935 | Strand | + |
| Start | 477 | End | 536 |
| Name | OJ990531_34.9A14.C15.o1.gs | Method | GENSCAN |
| Start | 477 | End | 536 |
| GI | none | Score | .94 |
| Exons | 477..536 | | |

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|---|---|---|---|
| Seq. No. | 7548 | Seq. ID | OJ990501_26.9A01.C2 |
| Gene No. | 15936 | Strand | + |
| Start | 494 | End | 1121 |
| Name | OJ990501_26.9A01.C2.o1.gs | Method | GENSCAN |
| Start | 494 | End | 1115 |
| GI | none | Score | 1 |
| Exons | 494..553, 721..1115 | | |

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|---|---|---|---|
| Seq. No. | 7548 | Seq. ID | OJ990501_26.9A01.C2 |
| Gene No. | 15936 | Strand | + |
| Start | 494 | End | 1121 |
| Name | OJ990501_26.9A01.C2.o1.np | Method | AAT/NAP |
| Start | 494 | End | 1121 |
| GI | 2498930 | Score | 742 |
| Exons | 494..553, 721..1121 | | |
| GI Descrip. | DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster] | | |

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| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15937 | Strand | + |
| Start | 1 | End | 675 |
| Name | OJ990501_26.9A01.C3.o1.np | Method | AAT/NAP |
| Start | 1 | End | 672 |
| GI | 4680179 | Score | 1013 |
| Exons | 1..672 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15937 | Strand | + |
| Start | 1 | End | 675 |
| Name | OJ990501_26.9A01.C3.o1.gs | Method | GENSCAN |
| Start | 22 | End | 675 |
| GI | none | Score | .98 |
| Exons | 22..675 | | |

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| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15938 | Strand | - |
| Start | 1078 | End | 1953 |
| Name | OJ990501_26.9A01.C3.o2.tw | Method | TBLASTX:Wheat |
| Start | 1 | End | 201 |

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|---|---|---|---|
| GI | none | Score | 217 |
| Exons | 1..201, 6..197 | | |
| | | | |
| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15938 | Strand | - |
| Start | 1078 | End | 1953 |
| Name | OJ990501_26.9A01.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 6 | End | 432 |
| GI | none | Score | 489 |
| Exons | 6..308, 7..432 | | |
| | | | |
| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15938 | Strand | - |
| Start | 1078 | End | 1953 |
| Name | OJ990501_26.9A01.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 205 | End | 627 |
| GI | none | Score | 431 |
| Exons | 205..627, 225..368, 387..434 | | |
| | | | |
| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15938 | Strand | - |
| Start | 1078 | End | 1953 |
| Name | OJ990501_26.9A01.C3.o2.gs | Method | GENSCAN |
| Start | 1078 | End | 1861 |
| GI | none | Score | .75 |
| Exons | 1078..1691, 1755..1861 | | |
| | | | |
| Seq. No. | 7549 | Seq. ID | OJ990501_26.9A01.C3 |
| Gene No. | 15938 | Strand | - |
| Start | 1078 | End | 1953 |
| Name | OJ990501_26.9A01.C3.o2.np | Method | AAT/NAP |
| Start | 1442 | End | 1953 |
| GI | 5852180 | Score | 273 |
| Exons | 1442..1795, 1841..1953 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |
| | | | |
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15939 | Strand | + |
| Start | 230 | End | 323 |
| Name | OJ990501_26.9A01.C4.o1.np | Method | AAT/NAP |
| Start | 230 | End | 323 |
| GI | 5852175 | Score | 81 |
| Exons | 230..323 | | |
| GI Descrip. | (AL117265) zhb0005.1 [Oryza sativa] | | |
| | | | |
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15940 | Strand | + |
| Start | 1736 | End | 2628 |
| Name | OJ990501_26.9A01.C4.o1.gs | Method | GENSCAN |
| Start | 1736 | End | 2628 |
| GI | none | Score | .73 |
| Exons | 1736..1898, 2091..2217, 2241..2628 | | |
| | | | |
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15941 | Strand | + |
| Start | 7139 | End | 8111 |
| Name | OJ990501_26.9A01.C4.o3.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 7139 | End | 8111 |
| GI | none | Score | .97 |
| Exons | 7139..7606, 7635..8111 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15942 | Strand | + |
| Start | 9343 | End | 12024 |
| Name | OJ990501_26.9A01.C4.o4.gs | Method | GENSCAN |
| Start | 9343 | End | 12024 |
| GI | none | Score | .7 |
| Exons | 9343..9439, 10242..10263, 10641..10735, 10898..11084, 11518..11738, 11966..12024 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15943 | Strand | + |
| Start | 12986 | End | 13339 |
| Name | OJ990501_26.9A01.C4.o5.gs | Method | GENSCAN |
| Start | 12986 | End | 13339 |
| GI | none | Score | .99 |
| Exons | 12986..13339 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15944 | Strand | - |
| Start | 365 | End | 638 |
| Name | OJ990501_26.9A01.C4.o1.gp | Method | AAT/GAP |
| Start | 365 | End | 638 |
| GI | 61605_1.R1084 | Score | 447 |
| Exons | 365..638 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15944 | Strand | - |
| Start | 365 | End | 638 |
| Name | OJ990501_26.9A01.C4.o2.gp | Method | AAT/GAP |
| Start | 365 | End | 637 |
| GI | 61605_1.R1084 | Score | 447 |
| Exons | 365..637 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15945 | Strand | - |
| Start | 1627 | End | 2360 |
| Name | OJ990501_26.9A01.C4.o3.gp | Method | AAT/GAP |
| Start | 1627 | End | 2360 |
| GI | 101153_1.R1084 | Score | 384 |
| Exons | 1627..1852, 2334..2360 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15945 | Strand | - |
| Start | 1627 | End | 2360 |
| Name | OJ990501_26.9A01.C4.o4.gp | Method | AAT/GAP |
| Start | 1771 | End | 1852 |
| GI | 61605_1.R1084 | Score | 114 |

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|---|---|---|---|
| Exons | 1771..1852 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15946 | Strand | - |
| Start | 4373 | End | 6482 |
| Name | OJ990501_26.9A01.C4.o2.gs | Method | GENSCAN |
| Start | 4373 | End | 5206 |
| GI | none | Score | .88 |
| Exons | 4373..5206 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15946 | Strand | - |
| Start | 4373 | End | 6482 |
| Name | OJ990501_26.9A01.C4.o2.np | Method | AAT/NAP |
| Start | 4380 | End | 6482 |
| GI | 4680203 | Score | 845 |
| Exons | 4380..5206, 6405..6482 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15946 | Strand | - |
| Start | 4373 | End | 6482 |
| Name | OJ990501_26.9A01.C4.o5.gp | Method | AAT/GAP |
| Start | 5068 | End | 5654 |
| GI | 2310235 | Score | 304 |
| Exons | 5068..5206, 5617..5654 | | |
| GI Descrip. | 5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15947 | Strand | - |
| Start | 9485 | End | 12985 |
| Name | OJ990501_26.9A01.C4.o3.np | Method | AAT/NAP |
| Start | 9485 | End | 12985 |
| GI | 5295951 | Score | 145 |
| Exons | 9485..9506, 12763..12985 | | |
| GI Descrip. | (AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15948 | Strand | - |
| Start | 14831 | End | 15061 |
| Name | OJ990501_26.9A01.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 4442 | End | 4732 |
| GI | none | Score | 103 |
| Exons | 4442..4522, 4517..4732, 4518..4724 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15948 | Strand | - |
| Start | 14831 | End | 15061 |
| Name | OJ990501_26.9A01.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 4504 | End | 4855 |
| GI | none | Score | 186 |
| Exons | 4504..4755, 4520..4765, 4521..4757, 4748..4855 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15948 | Strand | - |
| Start | 14831 | End | 15061 |
| Name | OJ990501_26.9A01.C4.o6.gp | Method | AAT/GAP |
| Start | 14700 | End | 15061 |
| GI | 5038851 | Score | 637 |
| Exons | 14700..15061 | | |
| GI Descrip. | 4206208/gb\|AAD11596.1\|AAD11596 5.0e-14 (AF071527) hypothetical protein [Arabidopsis thaliana] >gi_4263041_gb_AAD15310_ (AC005142) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15948 | Strand | - |
| Start | 14831 | End | 15061 |
| Name | OJ990501_26.9A01.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 14831 | End | 15058 |
| GI | none | Score | 223 |
| Exons | 14831..15058, 14832..15056 | | |

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|---|---|---|---|
| Seq. No. | 7550 | Seq. ID | OJ990501_26.9A01.C4 |
| Gene No. | 15948 | Strand | - |
| Start | 14831 | End | 15061 |
| Name | OJ990501_26.9A01.C4.o6.gs | Method | GENSCAN |
| Start | 14831 | End | 15061 |
| GI | none | Score | .89 |
| Exons | 14831..15061 | | |

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|---|---|---|---|
| Seq. No. | 7551 | Seq. ID | OJ990501_26.9A01.C5 |
| Gene No. | 15949 | Strand | - |
| Start | 216 | End | 760 |
| Name | OJ990501_26.9A01.C5.o1.gs | Method | GENSCAN |
| Start | 216 | End | 760 |
| GI | none | Score | .91 |
| Exons | 216..346, 722..760 | | |

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|---|---|---|---|
| Seq. No. | 7551 | Seq. ID | OJ990501_26.9A01.C5 |
| Gene No. | 15950 | Strand | - |
| Start | 730 | End | 837 |
| Name | OJ990501_26.9A01.C5.o1.np | Method | AAT/NAP |
| Start | 730 | End | 837 |
| GI | 4680179 | Score | 170 |
| Exons | 730..837 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1814 |
| GI | 4680179 | Score | 1235 |
| Exons | 1..1476, 1789..1814 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o2.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 34 | End | 431 |
| GI | none | Score | 62 |
| Exons | 34..204, 59..178, 267..431, 268..381 | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o1.gs | Method | GENSCAN |
| Start | 78 | End | 1499 |
| GI | none | Score | .74 |
| Exons | 78..194, 380..1499 | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 735 | End | 1079 |
| GI | none | Score | 43 |
| Exons | 735..1079, 884..976, 949..1053 | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 780 | End | 1079 |
| GI | none | Score | 47 |
| Exons | 780..1079, 781..861, 949..1053 | | |

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|---|---|---|---|
| Seq. No. | 7552 | Seq. ID | OJ990501_26.9A01.C6 |
| Gene No. | 15951 | Strand | - |
| Start | 1 | End | 1814 |
| Name | OJ990501_26.9A01.C6.o3.tw | Method | TBLASTX:Wheat |
| Start | 1131 | End | 1313 |
| GI | none | Score | 132 |
| Exons | 1131..1313, 1132..1311 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15952 | Strand | + |
| Start | 6604 | End | 6670 |
| Name | OJ990501_26.9A01.C7.o1.gp | Method | AAT/GAP |
| Start | 6604 | End | 6670 |
| GI | uC-osroM202024h08a1 | Score | 87 |
| Exons | 6604..6670 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15953 | Strand | + |
| Start | 12600 | End | 18168 |
| Name | OJ990501_26.9A01.C7.o6.np | Method | AAT/NAP |
| Start | 12600 | End | 18165 |
| GI | 4680179 | Score | 2039 |
| Exons | 12600..12621, 16845..18165 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15953 | Strand | + |

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|---|---|---|---|
| Start | 12600 | End | 18168 |
| Name | OJ990501_26.9A01.C7.o2.gp | Method | AAT/GAP |
| Start | 14124 | End | 14349 |
| GI | uC-osroM202024h08a1 | Score | 331 |
| Exons | 14124..14349 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15953 | Strand | + |
| Start | 12600 | End | 18168 |
| Name | OJ990501_26.9A01.C7.o4.np | Method | AAT/NAP |
| Start | 14631 | End | 16091 |
| GI | 5852180 | Score | 319 |
| Exons | 14631..14735, 15761..16091 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15953 | Strand | + |
| Start | 12600 | End | 18168 |
| Name | OJ990501_26.9A01.C7.o4.gp | Method | AAT/GAP |
| Start | 15466 | End | 15536 |
| GI | uC-osroM202024h08a1 | Score | 91 |
| Exons | 15466..15536 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15953 | Strand | + |
| Start | 12600 | End | 18168 |
| Name | OJ990501_26.9A01.C7.o5.gs | Method | GENSCAN |
| Start | 16927 | End | 18168 |
| GI | none | Score | .62 |
| Exons | 16927..18168 | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15954 | Strand | - |
| Start | 1 | End | 895 |
| Name | OJ990501_26.9A01.C7.o1.np | Method | AAT/NAP |
| Start | 1 | End | 378 |
| GI | 4512229 | Score | 646 |
| Exons | 1..378 | | |
| GI Descrip. | (AB014740) ORF0 protein [Oryza sativa] | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15954 | Strand | - |
| Start | 1 | End | 895 |
| Name | OJ990501_26.9A01.C7.o1.gs | Method | GENSCAN |
| Start | 24 | End | 895 |
| GI | none | Score | .44 |
| Exons | 24..378, 893..895 | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o3.gs | Method | GENSCAN |
| Start | 6876 | End | 12444 |

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|---|---|---|---|
| GI | none | Score | .54 |
| Exons | 6876..6971, 7013..7150, 8165..8266, 8351..8565, 8788..12218, 12332..12444 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o7.tm | Method | TBLASTX:Maize |
| Start | 7993 | End | 18172 |
| GI | none | Score | 140 |
| Exons | 7993..8034, 8027..8239, 17929..18141, 17955..18050, 18143..18172, 18143..18172 | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o2.np | Method | AAT/NAP |
| Start | 8003 | End | 13058 |
| GI | 4680179 | Score | 5648 |
| Exons | 8003..12381, 12943..13058 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o5.tw | Method | TBLASTX:Wheat |
| Start | 8048 | End | 18120 |
| GI | none | Score | 59 |
| Exons | 8048..8380, 8264..8377, 8307..8381, 17787..18068, 17788..18120 | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 8243 | End | 17925 |
| GI | none | Score | 47 |
| Exons | 8243..8668, 8253..8339, 8367..8669, 8664..8819, 8666..8827, 8673..8819, 8675..8821, 17340..17495, 17341..17502, 17355..17504, 17499..17672, 17500..17925, 17620..17904, 17727..17924 | | |

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| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 8381 | End | 17787 |
| GI | none | Score | 51 |
| Exons | 8381..9007, 8382..8450, 8387..8632, 8493..9005, 17161..17787, 17220..17669, 17727..17786 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o3.tm | Method | TBLASTX:Maize |
| Start | 8876 | End | 17292 |
| GI | none | Score | 283 |
| Exons | 8876..9166, 8880..9167, 8896..9168, 9067..9168, 17001..17288, | | |

17001..17288, 17002..17292

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o2.ts | Method | TBLASTX:Soybean |
| Start | 8966 | End | 17202 |
| GI | none | Score | 188 |
| Exons | 8966..9226, 8967..9224, 16942..17202, 16953..17201 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 8990 | End | 17178 |
| GI | none | Score | 86 |
| Exons | 8990..9133, 9009..9131, 9134..9316, 16852..17034, 17035..17178, 17037..17177 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o2.tw | Method | TBLASTX:Wheat |
| Start | 9014 | End | 17154 |
| GI | none | Score | 385 |
| Exons | 9014..9550, 9015..9548, 16846..17154, 16872..17150, 16873..17154 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o2.tm | Method | TBLASTX:Maize |
| Start | 9581 | End | 9934 |
| GI | none | Score | 49 |
| Exons | 9581..9934, 9588..9620, 9596..9928, 9666..9929 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o3.tw | Method | TBLASTX:Wheat |
| Start | 9581 | End | 10007 |
| GI | none | Score | 250 |
| Exons | 9581..9958, 9581..10006, 9588..10007 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o3.ts | Method | TBLASTX:Soybean |
| Start | 9752 | End | 10000 |
| GI | none | Score | 211 |
| Exons | 9752..10000 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o5.tm | Method | TBLASTX:Maize |
| Start | 9936 | End | 10273 |
| GI | none | Score | 153 |

Exons 9936..10220, 9941..10273

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o6.tw Method TBLASTX:Wheat
Start 10008 End 10282
GI none Score 254
Exons 10008..10262, 10008..10268, 10010..10270, 10033..10266, 10040..10282

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o1.ts Method TBLASTX:Soybean
Start 10022 End 10417
GI none Score 168
Exons 10022..10273, 10032..10262, 10079..10276, 10236..10379, 10301..10381, 10328..10381, 10385..10417, 10385..10417

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o4.tm Method TBLASTX:Maize
Start 10328 End 10771
GI none Score 125
Exons 10328..10771, 10337..10699

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o4.tw Method TBLASTX:Wheat
Start 10358 End 10844
GI none Score 209
Exons 10358..10840, 10400..10729, 10554..10844

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o4.ts Method TBLASTX:Soybean
Start 10490 End 10804
GI none Score 194
Exons 10490..10804

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o8.tw Method TBLASTX:Wheat
Start 10979 End 11326
GI none Score 235
Exons 10979..11326

Seq. No. 7553 Seq. ID OJ990501_26.9A01.C7
Gene No. 15955 Strand -
Start 6876 End 18767
Name OJ990501_26.9A01.C7.o8.tm Method TBLASTX:Maize
Start 11060 End 11380

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|---|---|---|---|
| GI | none | Score | 188 |
| Exons | 11060..11380 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o7.tw | Method | TBLASTX:Wheat |
| Start | 11681 | End | 12026 |
| GI | none | Score | 36 |
| Exons | 11681..12025, 11830..11865, 11895..12026 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o6.tm | Method | TBLASTX:Maize |
| Start | 11726 | End | 12025 |
| GI | none | Score | 47 |
| Exons | 11726..12025, 11727..11807, 11878..11907, 11895..11999 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o9.tw | Method | TBLASTX:Wheat |
| Start | 12077 | End | 12278 |
| GI | none | Score | 146 |
| Exons | 12077..12277, 12078..12278 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o4.gs | Method | GENSCAN |
| Start | 12730 | End | 16469 |
| GI | none | Score | .78 |
| Exons | 12730..13494, 14813..14901, 15900..16111, 16372..16469 | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o3.np | Method | AAT/NAP |
| Start | 12733 | End | 13494 |
| GI | 4512229 | Score | 1228 |
| Exons | 12733..13494 | | |
| GI Descrip. | (AB014740) ORF0 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7553 | Seq. ID | OJ990501_26.9A01.C7 |
| Gene No. | 15955 | Strand | - |
| Start | 6876 | End | 18767 |
| Name | OJ990501_26.9A01.C7.o5.np | Method | AAT/NAP |
| Start | 14728 | End | 18767 |
| GI | 6063554 | Score | 232 |
| Exons | 14728..14901, 15873..16127, 16210..16504, 18695..18767 | | |
| GI Descrip. | (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 2891 |
| GI | 342_1.R1084 | Score | 5026 |
| Exons | 1..2891 | | |
| GI Descrip. | '4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]' | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1769 |
| GI | 6742729 | Score | 2779 |
| Exons | 1..1769 | | |
| GI Descrip. | (AF121139) RIM2 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o3.tw | Method | TBLASTX:Wheat |
| Start | 22 | End | 386 |
| GI | none | Score | 72 |
| Exons | 22..72, 23..76, 90..170, 90..176, 91..177, 157..381, 177..386, 178..381, 180..386 | | |

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|---|---|---|---|
| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o3.tm | Method | TBLASTX:Maize |
| Start | 26 | End | 420 |
| GI | none | Score | 77 |
| Exons | 26..97, 91..216, 226..420 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.gs | Method | GENSCAN |
| Start | 127 | End | 11072 |
| GI | none | Score | .5 |
| Exons | 127..2183, 3034..3132, 3702..3873, 3911..4114, 4168..4270, 5560..5648, 6633..7429, 7912..8040, 8065..9923, 10355..10497, 10786..10897, 10989..11072 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 250 | End | 492 |
| GI | none | Score | 216 |
| Exons | 250..492 | | |

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|---|---|---|---|
| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o4.tw | Method | TBLASTX:Wheat |
| Start | 526 | End | 935 |

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|---|---|---|---|
| GI | none | Score | 84 |
| Exons | 526..588, 528..575, 594..776, 598..816, 844..933, 849..935, 850..933 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 936 | End | 2253 |
| GI | none | Score | 348 |
| Exons | 936..1661, 936..1838, 937..1854, 1849..1893, 1853..1888, 1896..1991, 1900..1959, 1938..2078, 1939..2079, 2092..2172, 2161..2253 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 979 | End | 1293 |
| GI | none | Score | 313 |
| Exons | 979..1293, 990..1265, 1063..1293 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 1220 | End | 1671 |
| GI | none | Score | 190 |
| Exons | 1220..1402, 1224..1661, 1224..1667, 1228..1671, 1522..1671 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o3.np | Method | AAT/NAP |
| Start | 6633 | End | 7430 |
| GI | 4512231 | Score | 1329 |
| Exons | 6633..7430 | | |
| GI Descrip. | (AB014741) ORF0 protein [Oryza sativa] | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o4.np | Method | AAT/NAP |
| Start | 7103 | End | 11244 |
| GI | 4680179 | Score | 1893 |
| Exons | 7103..7191, 7729..8704, 8732..9672, 11216..11244 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o7.tw | Method | TBLASTX:Wheat |
| Start | 7855 | End | 8053 |
| GI | none | Score | 213 |
| Exons | 7855..8052, 7856..8053 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |

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|---|---|---|---|
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o5.tw | Method | TBLASTX:Wheat |
| Start | 8102 | End | 8455 |
| GI | none | Score | 316 |
| Exons | 8102..8299, 8105..8455 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o4.tm | Method | TBLASTX:Maize |
| Start | 8105 | End | 8410 |
| GI | none | Score | 240 |
| Exons | 8105..8410 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o6.tw | Method | TBLASTX:Wheat |
| Start | 8789 | End | 9142 |
| GI | none | Score | 258 |
| Exons | 8789..9142, 8789..9067 | | |

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|---|---|---|---|
| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o2.tw | Method | TBLASTX:Wheat |
| Start | 9274 | End | 9671 |
| GI | none | Score | 435 |
| Exons | 9274..9645, 9275..9646, 9384..9671 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 9284 | End | 9576 |
| GI | none | Score | 311 |
| Exons | 9284..9574, 9286..9576 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o2.ts | Method | TBLASTX:Soybean |
| Start | 9311 | End | 9625 |
| GI | none | Score | 195 |
| Exons | 9311..9625 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o5.tm | Method | TBLASTX:Maize |
| Start | 9635 | End | 9880 |
| GI | none | Score | 238 |
| Exons | 9635..9880, 9652..9699, 9810..9872 | | |

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| Seq. No. | 7554 | Seq. ID | OJ990501_26.9A01.C8 |
| Gene No. | 15956 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 11244 |
| Name | OJ990501_26.9A01.C8.o8.tw | Method | TBLASTX:Wheat |
| Start | 9674 | End | 9892 |
| GI | none | Score | 209 |
| Exons | 9674..9892 | | |

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|---|---|---|---|
| Seq. No. | 7555 | Seq. ID | OJ990501_26.9A01.C9 |
| Gene No. | 15957 | Strand | + |
| Start | 1126 | End | 1747 |
| Name | OJ990501_26.9A01.C9.o1.np | Method | AAT/NAP |
| Start | 1126 | End | 1747 |
| GI | 4680204 | Score | 237 |
| Exons | 1126..1747 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3017 |
| GI | 4680204 | Score | 744 |
| Exons | 1..756, 831..1930, 2040..2213, 2310..2529, 2880..3017 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o2.np | Method | AAT/NAP |
| Start | 1 | End | 11171 |
| GI | 1707012 | Score | 239 |
| Exons | 1..55, 931..972, 1064..1294, 10928..11171 | | |
| GI Descrip. | (U78721) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana] | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o1.gs | Method | GENSCAN |
| Start | 16 | End | 3062 |
| GI | none | Score | .77 |
| Exons | 16..756, 831..1930, 2040..2213, 2310..2420, 2505..2577, 2850..3062 | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o2.gs | Method | GENSCAN |
| Start | 3577 | End | 7709 |
| GI | none | Score | .62 |
| Exons | 3577..3606, 5359..5442, 5693..5833, 6182..6357, 6455..7206, 7609..7709 | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o3.gp | Method | AAT/GAP |
| Start | 5744 | End | 6353 |
| GI | none | Score | 648 |

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| Exons | 5744..5875, 5989..6032, 6182..6353 | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o4.gp | Method | AAT/GAP |
| Start | 6508 | End | 6932 |
| GI | none | Score | 810 |
| Exons | 6508..6932 | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o3.gs | Method | GENSCAN |
| Start | 9269 | End | 11180 |
| GI | none | Score | .66 |
| Exons | 9269..9299, 10500..10556, 10786..11180 | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15958 | Strand | + |
| Start | 1 | End | 11180 |
| Name | OJ990501_26.9A01.C10.o5.gp | Method | AAT/GAP |
| Start | 10803 | End | 11136 |
| GI | 76082_1.R1084 | Score | 630 |
| Exons | 10803..11136 | | |
| GI Descrip. | '2842486/emb\|CAA16883.1\| 1.0e-27 (AL021749) putative protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15959 | Strand | - |
| Start | 3403 | End | 3546 |
| Name | OJ990501_26.9A01.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 69 | End | 408 |
| GI | none | Score | 145 |
| Exons | 69..218, 70..231, 235..372, 295..369, 376..408 | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15959 | Strand | - |
| Start | 3403 | End | 3546 |
| Name | OJ990501_26.9A01.C10.o3.tw | Method | TBLASTX:Wheat |
| Start | 1857 | End | 2379 |
| GI | none | Score | 60 |
| Exons | 1857..1937, 2026..2208, 2076..2201, 2308..2379 | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15959 | Strand | - |
| Start | 3403 | End | 3546 |
| Name | OJ990501_26.9A01.C10.o2.gp | Method | AAT/GAP |
| Start | 3403 | End | 3546 |
| GI | 21474_1.R1084 | Score | 228 |
| Exons | 3403..3546 | | |
| GI Descrip. | '3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15960 | Strand | |
| Start | 6179 | End | 6710 |

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|---|---|---|---|
| Name | OJ990501_26.9A01.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 6179 | End | 6653 |
| GI | none | Score | 123 |
| Exons | 6179..6208, 6220..6345, 6230..6373, 6235..6357, 6486..6545, 6582..6653 | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15960 | Strand | |
| Start | 6179 | End | 6710 |
| Name | OJ990501_26.9A01.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 6179 | End | 6710 |
| GI | none | Score | 237 |
| Exons | 6179..6400, 6190..6357, 6486..6710, 6513..6572, 6554..6706 | | |

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|---|---|---|---|
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15960 | Strand | |
| Start | 6179 | End | 6710 |
| Name | OJ990501_26.9A01.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 6185 | End | 6626 |
| GI | none | Score | 49 |
| Exons | 6185..6214, 6188..6217, 6226..6369, 6229..6357, 6230..6394, 6486..6626, 6554..6625 | | |

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|---|---|---|---|
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15961 | Strand | |
| Start | 6789 | End | 7211 |
| Name | OJ990501_26.9A01.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 6789 | End | 7211 |
| GI | none | Score | 320 |
| Exons | 6789..7211, 6950..7210 | | |

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| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15962 | Strand | |
| Start | 10880 | End | 11144 |
| Name | OJ990501_26.9A01.C10.o3.ts | Method | TBLASTX:Soybean |
| Start | 10880 | End | 11144 |
| GI | none | Score | 152 |
| Exons | 10880..10984, 10881..11009, 11072..11140, 11073..11144 | | |

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|---|---|---|---|
| Seq. No. | 7556 | Seq. ID | OJ990501_26.9A01.C10 |
| Gene No. | 15962 | Strand | |
| Start | 10880 | End | 11144 |
| Name | OJ990501_26.9A01.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 10886 | End | 11144 |
| GI | none | Score | 151 |
| Exons | 10886..10987, 10890..11006, 10938..11018, 11072..11140, 11073..11144, 11079..11141 | | |

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| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15963 | Strand | + |
| Start | 2526 | End | 2710 |
| Name | OJ990501_26.9A01.C11.o1.gp | Method | AAT/GAP |
| Start | 2526 | End | 2659 |
| GI | 76082_1.R1084 | Score | 201 |
| Exons | 2526..2659 | | |
| GI Descrip. | '2842486/emb\|CAA16883.1\| 1.0e-27 (AL021749) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15963 | Strand | + |
| Start | 2526 | End | 2710 |
| Name | OJ990501_26.9A01.C11.o2.np | Method | AAT/NAP |
| Start | 2526 | End | 2710 |
| GI | 4056457 | Score | 223 |
| Exons | 2526..2710 | | |
| GI Descrip. | (AC005990) ESTs gb\|234051 and gb\|F13722 come from this gene. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15964 | Strand | + |
| Start | 5823 | End | 6095 |
| Name | OJ990501_26.9A01.C11.o2.gp | Method | AAT/GAP |
| Start | 5823 | End | 6095 |
| GI | none | Score | 488 |
| Exons | 5823..6095 | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15965 | Strand | + |
| Start | 6486 | End | 6554 |
| Name | OJ990501_26.9A01.C11.o3.gp | Method | AAT/GAP |
| Start | 6486 | End | 6554 |
| GI | none | Score | 125 |
| Exons | 6486..6554 | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15966 | Strand | - |
| Start | 1916 | End | 2213 |
| Name | OJ990501_26.9A01.C11.o1.np | Method | AAT/NAP |
| Start | 1916 | End | 2213 |
| GI | 82515 | Score | 249 |
| Exons | 1916..2213 | | |
| GI Descrip. | hypothetical 12.5K (psbI-psbD intergenic region) - rice chloroplast gi\|11963\|emb\|CAA34012\| (X15901) ORF100 [Oryza sativa] gi\|226681\|prf\|\|1603356F ORF 100 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15967 | Strand | |
| Start | 2515 | End | 2728 |
| Name | OJ990501_26.9A01.C11.o1.ts | Method | TBLASTX:Soybean |
| Start | 2515 | End | 2710 |
| GI | none | Score | 258 |
| Exons | 2515..2709, 2525..2710 | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15967 | Strand | |
| Start | 2515 | End | 2728 |
| Name | OJ990501_26.9A01.C11.o1.tc | Method | TBLASTX:Cress |
| Start | 2524 | End | 2704 |
| GI | none | Score | 244 |
| Exons | 2524..2703, 2525..2704, 2576..2704 | | |

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|---|---|---|---|
| Seq. No. | 7557 | Seq. ID | OJ990501_26.9A01.C11 |
| Gene No. | 15967 | Strand | |
| Start | 2515 | End | 2728 |

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|---|---|---|---|
| Name | OJ990501_26.9A01.C11.o1.tm | Method | TBLASTX:Maize |
| Start | 2524 | End | 2728 |
| GI | none | Score | 268 |
| Exons | 2524..2718, 2525..2728 | | |

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|---|---|---|---|
| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15968 | Strand | + |
| Start | 83 | End | 5010 |
| Name | OJ990501_26.9A01.C12.o1.gs | Method | GENSCAN |
| Start | 83 | End | 4063 |
| GI | none | Score | .87 |
| Exons | 83..259, 271..295, 587..684, 1188..1352, 2317..2486, 2661..2816, 3374..3726, 3876..4063 | | |

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|---|---|---|---|
| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15968 | Strand | + |
| Start | 83 | End | 5010 |
| Name | OJ990501_26.9A01.C12.o1.np | Method | AAT/NAP |
| Start | 2314 | End | 5010 |
| GI | 477043 | Score | 179 |
| Exons | 2314..2486, 2661..2835, 3384..3618, 4979..5010 | | |
| GI Descrip. | glucan 1,3-beta-glucosidase (EC 3.2.1.58) - yeast (Candida albicans) | | |

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| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15969 | Strand | - |
| Start | 95 | End | 160 |
| Name | OJ990501_26.9A01.C12.o1.gp | Method | AAT/GAP |
| Start | 95 | End | 160 |
| GI | none | Score | 100 |
| Exons | 95..160 | | |

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| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15970 | Strand | |
| Start | 98 | End | 4066 |
| Name | OJ990501_26.9A01.C12.o2.tm | Method | TBLASTX:Maize |
| Start | 98 | End | 3530 |
| GI | none | Score | 75 |
| Exons | 98..154, 98..139, 205..300, 206..301, 1224..1283, 1287..1367, 1289..1354, 2314..2487, 2321..2497, 2322..2489, 2661..2816, 2662..2817, 2663..2818, 2669..2818, 3369..3530, 3371..3529, 3372..3530 | | |

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|---|---|---|---|
| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15970 | Strand | |
| Start | 98 | End | 4066 |
| Name | OJ990501_26.9A01.C12.o1.ts | Method | TBLASTX:Soybean |
| Start | 2391 | End | 4048 |
| GI | none | Score | 149 |
| Exons | 2391..2489, 2392..2487, 2659..2817, 2661..2816, 3371..3727, 3372..3731, 3861..3998, 3874..4047, 3875..4048 | | |

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| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15970 | Strand | |
| Start | 98 | End | 4066 |
| Name | OJ990501_26.9A01.C12.o2.tw | Method | TBLASTX:Wheat |
| Start | 2661 | End | 3443 |

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|---|---|---|---|
| GI | none | Score | 238 |
| Exons | 2661..2816, 2662..2817, 2663..2818, 3369..3443, 3371..3430 | | |

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|---|---|---|---|
| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15970 | Strand | |
| Start | 98 | End | 4066 |
| Name | OJ990501_26.9A01.C12.o1.tw | Method | TBLASTX:Wheat |
| Start | 3471 | End | 4015 |
| GI | none | Score | 317 |
| Exons | 3471..3731, 3473..3727, 3474..3728, 3484..3732, 3874..4014, 3875..4015 | | |

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|---|---|---|---|
| Seq. No. | 7558 | Seq. ID | OJ990501_26.9A01.C12 |
| Gene No. | 15970 | Strand | |
| Start | 98 | End | 4066 |
| Name | OJ990501_26.9A01.C12.o1.tm | Method | TBLASTX:Maize |
| Start | 3614 | End | 4066 |
| GI | none | Score | 142 |
| Exons | 3614..3727, 3615..3731, 3874..4056, 3875..4051, 3875..4066 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15971 | Strand | + |
| Start | 681 | End | 3144 |
| Name | OJ990501_26.9A01.C13.o1.gs | Method | GENSCAN |
| Start | 681 | End | 3144 |
| GI | none | Score | .6 |
| Exons | 681..701, 2917..3144 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15972 | Strand | + |
| Start | 3275 | End | 3606 |
| Name | OJ990501_26.9A01.C13.o1.gp | Method | AAT/GAP |
| Start | 3275 | End | 3606 |
| GI | 4715611 | Score | 636 |
| Exons | 3275..3606 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15973 | Strand | + |
| Start | 10217 | End | 12044 |
| Name | OJ990501_26.9A01.C13.o3.gs | Method | GENSCAN |
| Start | 10217 | End | 12044 |
| GI | none | Score | .88 |
| Exons | 10217..10276, 10872..10975, 11478..11674, 11766..11912, 12031..12044 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15974 | Strand | + |
| Start | 19932 | End | 29378 |
| Name | OJ990501_26.9A01.C13.o5.gs | Method | GENSCAN |
| Start | 19932 | End | 29378 |
| GI | none | Score | .48 |
| Exons | 19932..20069, 20327..20521, 20916..21000, 21075..21466, 21648..21770, 23818..24583, 24622..24650, 25064..28164, 28223..29378 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15974 | Strand | + |

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|---|---|---|---|
| Start | 19932 | End | 29378 |
| Name | OJ990501_26.9A01.C13.o4.gp | Method | AAT/GAP |
| Start | 22553 | End | 22937 |
| GI | uC-osflcyp033a04b1 | Score | 616 |
| Exons | 22553..22937 | | |
| GI Descrip. | '6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10' | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15974 | Strand | + |
| Start | 19932 | End | 29378 |
| Name | OJ990501_26.9A01.C13.o2.np | Method | AAT/NAP |
| Start | 24876 | End | 29375 |
| GI | 4680179 | Score | 5423 |
| Exons | 24876..25939, 25973..29375 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15975 | Strand | - |
| Start | 3304 | End | 9118 |
| Name | OJ990501_26.9A01.C13.o2.gs | Method | GENSCAN |
| Start | 3304 | End | 9118 |
| GI | none | Score | .75 |
| Exons | 3304..3374, 3389..3580, 4197..4237, 6798..6887, 6980..7059, 9092..9118 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15975 | Strand | - |
| Start | 3304 | End | 9118 |
| Name | OJ990501_26.9A01.C13.o2.gp | Method | AAT/GAP |
| Start | 4849 | End | 5057 |
| GI | 1631463 | Score | 308 |
| Exons | 4849..5057 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15976 | Strand | - |
| Start | 12839 | End | 14352 |
| Name | OJ990501_26.9A01.C13.o1.np | Method | AAT/NAP |
| Start | 12839 | End | 14352 |
| GI | 6721562 | Score | 316 |
| Exons | 12839..13676, 13945..14352 | | |
| GI Descrip. | (AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15977 | Strand | |
| Start | 25035 | End | 25299 |
| Name | OJ990501_26.9A01.C13.o9.tw | Method | TBLASTX:Wheat |
| Start | 25035 | End | 25299 |
| GI | none | Score | 43 |
| Exons | 25035..25061, 25100..25297, 25102..25299 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15978 | Strand | |
| Start | 25333 | End | 25684 |
| Name | OJ990501_26.9A01.C13.o7.tw | Method | TBLASTX:Wheat |
| Start | 25333 | End | 25684 |
| GI | none | Score | 293 |
| Exons | 25333..25527, 25334..25684 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15978 | Strand | |
| Start | 25333 | End | 25684 |
| Name | OJ990501_26.9A01.C13.o6.tm | Method | TBLASTX:Maize |
| Start | 25334 | End | 25639 |
| GI | none | Score | 232 |
| Exons | 25334..25639, 25348..25464 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15979 | Strand | |
| Start | 25964 | End | 26422 |
| Name | OJ990501_26.9A01.C13.o7.tm | Method | TBLASTX:Maize |
| Start | 25964 | End | 26317 |
| GI | none | Score | 189 |
| Exons | 25964..26317 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15979 | Strand | |
| Start | 25964 | End | 26422 |
| Name | OJ990501_26.9A01.C13.o8.tw | Method | TBLASTX:Wheat |
| Start | 26000 | End | 26422 |
| GI | none | Score | 166 |
| Exons | 26000..26209, 26056..26208, 26254..26367, 26255..26422 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15980 | Strand | |
| Start | 26533 | End | 27406 |
| Name | OJ990501_26.9A01.C13.o4.tw | Method | TBLASTX:Wheat |
| Start | 26533 | End | 27019 |
| GI | none | Score | 51 |
| Exons | 26533..26976, 26537..26587, 26642..27019 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15980 | Strand | |
| Start | 26533 | End | 27406 |
| Name | OJ990501_26.9A01.C13.o5.tm | Method | TBLASTX:Maize |
| Start | 26548 | End | 26838 |
| GI | none | Score | 277 |
| Exons | 26548..26838, 26549..26836 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15980 | Strand | |
| Start | 26533 | End | 27406 |
| Name | OJ990501_26.9A01.C13.o3.tm | Method | TBLASTX:Maize |
| Start | 26906 | End | 27406 |
| GI | none | Score | 167 |
| Exons | 26906..27085, 26914..27060, 27092..27406, 27232..27285, 27313..27363 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15980 | Strand | |
| Start | 26533 | End | 27406 |
| Name | OJ990501_26.9A01.C13.o1.ts | Method | TBLASTX:Soybean |
| Start | 26960 | End | 27355 |
| GI | none | Score | 57 |
| Exons | 26960..26992, 26962..26991, 26996..27355, 26998..27036, 27064..27354 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15980 | Strand | |
| Start | 26533 | End | 27406 |
| Name | OJ990501_26.9A01.C13.o5.tw | Method | TBLASTX:Wheat |
| Start | 27068 | End | 27370 |
| GI | none | Score | 382 |
| Exons | 27068..27370, 27069..27149, 27070..27354 | | |

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| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15981 | Strand | |
| Start | 27371 | End | 27874 |
| Name | OJ990501_26.9A01.C13.o2.tw | Method | TBLASTX:Wheat |
| Start | 27371 | End | 27874 |
| GI | none | Score | 630 |
| Exons | 27371..27874, 27403..27792 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15981 | Strand | |
| Start | 27371 | End | 27874 |
| Name | OJ990501_26.9A01.C13.o3.ts | Method | TBLASTX:Soybean |
| Start | 27377 | End | 27622 |
| GI | none | Score | 207 |
| Exons | 27377..27622, 27394..27522 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15981 | Strand | |
| Start | 27371 | End | 27874 |
| Name | OJ990501_26.9A01.C13.o2.tm | Method | TBLASTX:Maize |
| Start | 27442 | End | 27805 |
| GI | none | Score | 482 |
| Exons | 27442..27792, 27443..27796, 27443..27805 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o3.tw | Method | TBLASTX:Wheat |
| Start | 27874 | End | 28335 |
| GI | none | Score | 571 |
| Exons | 27874..28326, 27875..28330, 28081..28335 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o2.ts | Method | TBLASTX:Soybean |
| Start | 28151 | End | 28412 |
| GI | none | Score | 184 |
| Exons | 28151..28339, 28154..28312, 28156..28317, 28326..28412, | | |

28340..28411

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o4.tm | Method | TBLASTX:Maize |
| Start | 28210 | End | 28502 |
| GI | none | Score | 168 |
| Exons | 28210..28335, 28211..28339, 28329..28502, 28340..28498 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o1.tw | Method | TBLASTX:Wheat |
| Start | 28371 | End | 28997 |
| GI | none | Score | 703 |
| Exons | 28371..28997, 28427..28885, 28872..28994 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o1.tm | Method | TBLASTX:Maize |
| Start | 28551 | End | 29150 |
| GI | none | Score | 231 |
| Exons | 28551..28712, 28559..28705, 28709..29134, 28710..29150, 28872..29135 | | |

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|---|---|---|---|
| Seq. No. | 7559 | Seq. ID | OJ990501_26.9A01.C13 |
| Gene No. | 15982 | Strand | |
| Start | 27874 | End | 29330 |
| Name | OJ990501_26.9A01.C13.o6.tw | Method | TBLASTX:Wheat |
| Start | 28997 | End | 29330 |
| GI | none | Score | 325 |
| Exons | 28997..29266, 28998..29330, 29001..29309 | | |

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| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15983 | Strand | + |
| Start | 1 | End | 5385 |
| Name | OJ990501_26.9A01.C14.o2.np | Method | AAT/NAP |
| Start | 1 | End | 5385 |
| GI | 4544372 | Score | 1162 |
| Exons | 1..34, 2223..3254, 3320..3719, 3825..5385 | | |
| GI Descrip. | (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana] | | |

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| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o5.ts | Method | TBLASTX:Soybean |
| Start | 2339 | End | 2704 |
| GI | none | Score | 148 |
| Exons | 2339..2563, 2350..2562, 2570..2704 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o2.tw | Method | TBLASTX:Wheat |

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|---|---|---|---|
| Start | 2501 | End | 2890 |
| GI | none | Score | 76 |
| Exons | 2501..2557, 2552..2884, 2560..2874, 2561..2890, 2791..2889 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o3.tm | Method | TBLASTX:Maize |
| Start | 2555 | End | 2773 |
| GI | none | Score | 262 |
| Exons | 2555..2773, 2560..2772 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 2774 | End | 3234 |
| GI | none | Score | 414 |
| Exons | 2774..3157, 2776..3192, 3160..3234 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o5.tw | Method | TBLASTX:Wheat |
| Start | 2899 | End | 3303 |
| GI | none | Score | 170 |
| Exons | 2899..3129, 2900..3157, 3202..3303, 3222..3299 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 2921 | End | 3309 |
| GI | none | Score | 201 |
| Exons | 2921..3157, 2959..3159, 3202..3309, 3225..3308 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 3540 | End | 3952 |
| GI | none | Score | 122 |
| Exons | 3540..3677, 3542..3673, 3698..3952, 3699..3950 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o6.tw | Method | TBLASTX:Wheat |
| Start | 3714 | End | 4076 |
| GI | none | Score | 185 |
| Exons | 3714..4076, 3725..3793, 3824..3928 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o4.tm | Method | TBLASTX:Maize |
| Start | 4239 | End | 4556 |

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|---|---|---|---|
| GI | none | Score | 208 |
| Exons | 4239..4556 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o4.ts | Method | TBLASTX:Soybean |
| Start | 4404 | End | 4802 |
| GI | none | Score | 229 |
| Exons | 4404..4802, 4463..4624 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o3.tw | Method | TBLASTX:Wheat |
| Start | 4680 | End | 10846 |
| GI | none | Score | 90 |
| Exons | 4680..4829, 10618..10845, 10622..10846 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o4.tw | Method | TBLASTX:Wheat |
| Start | 4963 | End | 5370 |
| GI | none | Score | 216 |
| Exons | 4963..5370, 5112..5369 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o3.ts | Method | TBLASTX:Soybean |
| Start | 5146 | End | 5391 |
| GI | none | Score | 239 |
| Exons | 5146..5391, 5146..5277, 5148..5387 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o2.gs | Method | GENSCAN |
| Start | 5944 | End | 10797 |
| GI | none | Score | .63 |
| Exons | 5944..6345, 6432..6533, 6728..7025, 9017..9102, 9195..9275, 9732..9785, 10282..10797 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o1.gp | Method | AAT/GAP |
| Start | 7125 | End | 7338 |
| GI | 1631463 | Score | 312 |
| Exons | 7125..7338 | | |
| GI Descrip. | 4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |

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|---|---|---|---|
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o3.np | Method | AAT/NAP |
| Start | 10147 | End | 10907 |
| GI | 4680179 | Score | 1175 |
| Exons | 10147..10907 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 10157 | End | 10614 |
| GI | none | Score | 36 |
| Exons | 10157..10210, 10192..10614, 10316..10432, 10417..10497, 10472..10594 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o5.tm | Method | TBLASTX:Maize |
| Start | 10171 | End | 10368 |
| GI | none | Score | 197 |
| Exons | 10171..10368 | | |

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|---|---|---|---|
| Seq. No. | 7560 | Seq. ID | OJ990501_26.9A01.C14 |
| Gene No. | 15984 | Strand | - |
| Start | 5944 | End | 10907 |
| Name | OJ990501_26.9A01.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 10372 | End | 10846 |
| GI | none | Score | 265 |
| Exons | 10372..10812, 10385..10810, 10810..10845, 10817..10846 | | |

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|---|---|---|---|
| Seq. No. | 7561 | Seq. ID | OJ990501_26.9A01.C16 |
| Gene No. | 15985 | Strand | - |
| Start | 169 | End | 432 |
| Name | OJ990501_26.9A01.C16.o1.gs | Method | GENSCAN |
| Start | 169 | End | 432 |
| GI | none | Score | .57 |
| Exons | 169..432 | | |

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|---|---|---|---|
| Seq. No. | 7562 | Seq. ID | OJ990501_26.9A01.C19 |
| Gene No. | 15986 | Strand | + |
| Start | 86 | End | 88 |
| Name | OJ990501_26.9A01.C19.o1.gs | Method | GENSCAN |
| Start | 86 | End | 88 |
| GI | none | Score | .88 |
| Exons | 86..88 | | |

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|---|---|---|---|
| Seq. No. | 7563 | Seq. ID | OJ990501_26.9A01.C23 |
| Gene No. | 15987 | Strand | + |
| Start | 75 | End | 482 |
| Name | OJ990501_26.9A01.C23.o1.gs | Method | GENSCAN |
| Start | 75 | End | 431 |
| GI | none | Score | .85 |
| Exons | 75..431 | | |

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|---|---|---|---|
| Seq. No. | 7563 | Seq. ID | OJ990501_26.9A01.C23 |

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|---|---|---|---|
| Gene No. | 15987 | Strand | + |
| Start | 75 | End | 482 |
| Name | OJ990501_26.9A01.C23.o1.np | Method | AAT/NAP |
| Start | 273 | End | 482 |
| GI | 5441880 | Score | 139 |
| Exons | 273..482 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7564 | Seq. ID | OJ990501_26.9A01.C24 |
| Gene No. | 15988 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990501_26.9A01.C24.o1.np | Method | AAT/NAP |
| Start | 1 | End | 702 |
| GI | 4680203 | Score | 863 |
| Exons | 1..702 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7564 | Seq. ID | OJ990501_26.9A01.C24 |
| Gene No. | 15988 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990501_26.9A01.C24.o1.tm | Method | TBLASTX:Maize |
| Start | 8 | End | 375 |
| GI | none | Score | 75 |
| Exons | 8..142, 152..277, 277..375 | | |

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|---|---|---|---|
| Seq. No. | 7564 | Seq. ID | OJ990501_26.9A01.C24 |
| Gene No. | 15988 | Strand | - |
| Start | 1 | End | 702 |
| Name | OJ990501_26.9A01.C24.o1.tw | Method | TBLASTX:Wheat |
| Start | 110 | End | 450 |
| GI | none | Score | 99 |
| Exons | 110..277, 177..278, 180..278, 271..450, 277..450 | | |

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|---|---|---|---|
| Seq. No. | 7565 | Seq. ID | OJ990501_26.9A01.C25 |
| Gene No. | 15989 | Strand | - |
| Start | 1 | End | 507 |
| Name | OJ990501_26.9A01.C25.o1.np | Method | AAT/NAP |
| Start | 1 | End | 507 |
| GI | 5441880 | Score | 354 |
| Exons | 1..341, 450..507 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7565 | Seq. ID | OJ990501_26.9A01.C25 |
| Gene No. | 15989 | Strand | - |
| Start | 1 | End | 507 |
| Name | OJ990501_26.9A01.C25.o1.gs | Method | GENSCAN |
| Start | 8 | End | 374 |
| GI | none | Score | .88 |
| Exons | 8..196, 220..374 | | |

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|---|---|---|---|
| Seq. No. | 7566 | Seq. ID | OJ990501_26.9A01.C26 |
| Gene No. | 15990 | Strand | + |
| Start | 1 | End | 546 |

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|---|---|---|---|
| Name | OJ990501_26.9A01.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 546 |
| GI | 5441880 | Score | 98 |
| Exons | 1..81, 526..546 | | |
| GI Descrip. | (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7566 | Seq. ID | OJ990501_26.9A01.C26 |
| Gene No. | 15990 | Strand | + |
| Start | 1 | End | 546 |
| Name | OJ990501_26.9A01.C26.o1.tw | Method | TBLASTX:Wheat |
| Start | 6 | End | 308 |
| GI | none | Score | 111 |
| Exons | 6..101, 6..80, 8..85, 134..202, 135..308, 142..297 | | |

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|---|---|---|---|
| Seq. No. | 7566 | Seq. ID | OJ990501_26.9A01.C26 |
| Gene No. | 15990 | Strand | + |
| Start | 1 | End | 546 |
| Name | OJ990501_26.9A01.C26.o1.gs | Method | GENSCAN |
| Start | 120 | End | 437 |
| GI | none | Score | .63 |
| Exons | 120..437 | | |

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|---|---|---|---|
| Seq. No. | 7567 | Seq. ID | OJ990501_26.9A01.C27 |
| Gene No. | 15991 | Strand | + |
| Start | 1 | End | 166 |
| Name | OJ990501_26.9A01.C27.o1.np | Method | AAT/NAP |
| Start | 1 | End | 166 |
| GI | 4416302 | Score | 155 |
| Exons | 1..166 | | |
| GI Descrip. | (AF105716) copia-type pol polyprotein [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7567 | Seq. ID | OJ990501_26.9A01.C27 |
| Gene No. | 15991 | Strand | + |
| Start | 1 | End | 166 |
| Name | OJ990501_26.9A01.C27.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 162 |
| GI | none | Score | 173 |
| Exons | 1..162, 3..44, 81..155 | | |

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|---|---|---|---|
| Seq. No. | 7568 | Seq. ID | OJ990501_26.9A01.C29 |
| Gene No. | 15992 | Strand | - |
| Start | 47 | End | 237 |
| Name | OJ990501_26.9A01.C29.o1.gs | Method | GENSCAN |
| Start | 47 | End | 237 |
| GI | none | Score | .47 |
| Exons | 47..237 | | |

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|---|---|---|---|
| Seq. No. | 7569 | Seq. ID | OJ990501_26.9A01.C30 |
| Gene No. | 15993 | Strand | - |
| Start | 335 | End | 1293 |
| Name | OJ990501_26.9A01.C30.o1.gs | Method | GENSCAN |
| Start | 335 | End | 1293 |
| GI | none | Score | .56 |
| Exons | 335..505, 582..762, 987..1293 | | |

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|---|---|---|---|
| Seq. No. | 7570 | Seq. ID | OJ990501_26.9A01.C31 |
| Gene No. | 15994 | Strand | + |
| Start | 1 | End | 464 |
| Name | OJ990501_26.9A01.C31.o1.np | Method | AAT/NAP |
| Start | 1 | End | 464 |
| GI | 2465925 | Score | 173 |
| Exons | 1..300, 401..464 | | |
| GI Descrip. | (AF024649) receptor-like serine/threonine kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7570 | Seq. ID | OJ990501_26.9A01.C31 |
| Gene No. | 15994 | Strand | + |
| Start | 1 | End | 464 |
| Name | OJ990501_26.9A01.C31.o1.tm | Method | TBLASTX:Maize |
| Start | 68 | End | 286 |
| GI | none | Score | 232 |
| Exons | 68..286, 68..238 | | |

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|---|---|---|---|
| Seq. No. | 7570 | Seq. ID | OJ990501_26.9A01.C31 |
| Gene No. | 15994 | Strand | + |
| Start | 1 | End | 464 |
| Name | OJ990501_26.9A01.C31.o1.tc | Method | TBLASTX:Cress |
| Start | 86 | End | 464 |
| GI | none | Score | 186 |
| Exons | 86..298, 193..300, 405..464 | | |

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|---|---|---|---|
| Seq. No. | 7570 | Seq. ID | OJ990501_26.9A01.C31 |
| Gene No. | 15994 | Strand | + |
| Start | 1 | End | 464 |
| Name | OJ990501_26.9A01.C31.o1.ts | Method | TBLASTX:Soybean |
| Start | 86 | End | 464 |
| GI | none | Score | 175 |
| Exons | 86..298, 172..294, 405..464 | | |

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|---|---|---|---|
| Seq. No. | 7571 | Seq. ID | OJ990501_26.9A01.C32 |
| Gene No. | 15995 | Strand | + |
| Start | 80 | End | 280 |
| Name | OJ990501_26.9A01.C32.o1.gs | Method | GENSCAN |
| Start | 80 | End | 280 |
| GI | none | Score | .82 |
| Exons | 80..280 | | |

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|---|---|---|---|
| Seq. No. | 7572 | Seq. ID | OJ990501_26.9A01.C33 |
| Gene No. | 15996 | Strand | + |
| Start | 212 | End | 297 |
| Name | OJ990501_26.9A01.C33.o1.gs | Method | GENSCAN |
| Start | 212 | End | 297 |
| GI | none | Score | .66 |
| Exons | 212..297 | | |

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|---|---|---|---|
| Seq. No. | 7573 | Seq. ID | OJ990501_26.9A01.C34 |
| Gene No. | 15997 | Strand | - |
| Start | 319 | End | 679 |
| Name | OJ990501_26.9A01.C34.o1.np | Method | AAT/NAP |
| Start | 319 | End | 679 |
| GI | 3645899 | Score | 322 |
| Exons | 319..679 | | |

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|---|---|---|---|
| GI Descrip. | (U68408) 5' end not determined experimentally [Zea mays] | | |
| Seq. No. | 7573 | Seq. ID | OJ990501_26.9A01.C34 |
| Gene No. | 15997 | Strand | - |
| Start | 319 | End | 679 |
| Name | OJ990501_26.9A01.C34.o1.tm | Method | TBLASTX:Maize |
| Start | 337 | End | 678 |
| GI | none | Score | 159 |
| Exons | 337..678, 347..673 | | |
| Seq. No. | 7574 | Seq. ID | OJ990501_26.9A01.C37 |
| Gene No. | 15998 | Strand | - |
| Start | 1 | End | 100 |
| Name | OJ990501_26.9A01.C37.o1.np | Method | AAT/NAP |
| Start | 1 | End | 100 |
| GI | 5777617 | Score | 76 |
| Exons | 1..100 | | |
| GI Descrip. | (AJ245900) CAA30375.1 protein [Oryza sativa] | | |
| Seq. No. | 7574 | Seq. ID | OJ990501_26.9A01.C37 |
| Gene No. | 15999 | Strand | - |
| Start | 393 | End | 585 |
| Name | OJ990501_26.9A01.C37.o1.gs | Method | GENSCAN |
| Start | 393 | End | 585 |
| GI | none | Score | .49 |
| Exons | 393..585 | | |
| Seq. No. | 7575 | Seq. ID | OJ990501_26.9A01.C38 |
| Gene No. | 16000 | Strand | - |
| Start | 1 | End | 694 |
| Name | OJ990501_26.9A01.C38.o1.np | Method | AAT/NAP |
| Start | 1 | End | 694 |
| GI | 4680203 | Score | 258 |
| Exons | 1..694 | | |
| GI Descrip. | (AF114171) TNP2-like protein [Sorghum bicolor] | | |
| Seq. No. | 7575 | Seq. ID | OJ990501_26.9A01.C38 |
| Gene No. | 16000 | Strand | - |
| Start | 1 | End | 694 |
| Name | OJ990501_26.9A01.C38.o1.ts | Method | TBLASTX:Soybean |
| Start | 1 | End | 174 |
| GI | none | Score | 134 |
| Exons | 1..171, 2..172, 19..174 | | |
| Seq. No. | 7575 | Seq. ID | OJ990501_26.9A01.C38 |
| Gene No. | 16000 | Strand | - |
| Start | 1 | End | 694 |
| Name | OJ990501_26.9A01.C38.o1.gs | Method | GENSCAN |
| Start | 28 | End | 649 |
| GI | none | Score | .55 |
| Exons | 28..278, 368..649 | | |
| Seq. No. | 7576 | Seq. ID | OJ990501_26.9A01.C43 |
| Gene No. | 16001 | Strand | + |
| Start | 15 | End | 118 |
| Name | OJ990501_26.9A01.C43.o1.gs | Method | GENSCAN |
| Start | 15 | End | 118 |

| | | | |
|---|---|---|---|
| GI | none | Score | .97 |
| Exons | 15..118 | | |

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|---|---|---|---|
| Seq. No. | 7577 | Seq. ID | OJ990501_26.9A01.C45 |
| Gene No. | 16002 | Strand | - |
| Start | 356 | End | 444 |
| Name | OJ990501_26.9A01.C45.o1.gs | Method | GENSCAN |
| Start | 356 | End | 444 |
| GI | none | Score | .8 |
| Exons | 356..444 | | |

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|---|---|---|---|
| Seq. No. | 7578 | Seq. ID | OJ990501_26.9A01.C47 |
| Gene No. | 16003 | Strand | - |
| Start | 1 | End | 313 |
| Name | OJ990501_26.9A01.C47.o1.np | Method | AAT/NAP |
| Start | 1 | End | 313 |
| GI | 3645899 | Score | 147 |
| Exons | 1..313 | | |
| GI Descrip. | (U68408) 5' end not determined experimentally [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7579 | Seq. ID | OJ990501_26.9A01.C50 |
| Gene No. | 16004 | Strand | - |
| Start | 71 | End | 217 |
| Name | OJ990501_26.9A01.C50.o1.gs | Method | GENSCAN |
| Start | 71 | End | 217 |
| GI | none | Score | .61 |
| Exons | 71..217 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2060 |
| GI | 5852180 | Score | 81 |
| Exons | 1..120, 2034..2060 | | |
| GI Descrip. | (AL117265) zhb00010.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o2.np | Method | AAT/NAP |
| Start | 1 | End | 1851 |
| GI | 4680179 | Score | 1558 |
| Exons | 1..67, 710..1851 | | |
| GI Descrip. | (AF111709) polyprotein [Oryza sativa subsp. indica] | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.gp | Method | AAT/GAP |
| Start | 402 | End | 626 |
| GI | uC-osroM202024h08a1 | Score | 338 |
| Exons | 402..626 | | |
| GI Descrip. | '5852170/emb\|AL117265.1\|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804' | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |

| | | | |
|---|---|---|---|
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.gs | Method | GENSCAN |
| Start | 625 | End | 1845 |
| GI | none | Score | .47 |
| Exons | 625..647, 733..1327, 1411..1845 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o4.tw | Method | TBLASTX:Wheat |
| Start | 713 | End | 946 |
| GI | none | Score | 49 |
| Exons | 713..946, 714..764 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.tm | Method | TBLASTX:Maize |
| Start | 974 | End | 1327 |
| GI | none | Score | 193 |
| Exons | 974..1327, 981..1322 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.tw | Method | TBLASTX:Wheat |
| Start | 974 | End | 1393 |
| GI | none | Score | 206 |
| Exons | 974..1282, 974..1393, 981..1364 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o2.ts | Method | TBLASTX:Soybean |
| Start | 1145 | End | 1387 |
| GI | none | Score | 203 |
| Exons | 1145..1387 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o2.tw | Method | TBLASTX:Wheat |
| Start | 1395 | End | 1704 |
| GI | none | Score | 236 |
| Exons | 1395..1469, 1444..1665, 1445..1663, 1447..1704, 1611..1685 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o1.ts | Method | TBLASTX:Soybean |
| Start | 1422 | End | 1812 |
| GI | none | Score | 181 |
| Exons | 1422..1550, 1444..1668, 1445..1660, 1447..1758, 1632..1766, 1723..1776, 1733..1774, 1779..1805, 1780..1812, 1781..1810 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |

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|---|---|---|---|
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o2.tm | Method | TBLASTX:Maize |
| Start | 1444 | End | 1852 |
| GI | none | Score | 100 |
| Exons | 1444..1668, 1487..1615, 1729..1848, 1733..1852 | | |

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|---|---|---|---|
| Seq. No. | 7580 | Seq. ID | OJ990501_26.9A01.C51 |
| Gene No. | 16005 | Strand | - |
| Start | 1 | End | 2060 |
| Name | OJ990501_26.9A01.C51.o3.tw | Method | TBLASTX:Wheat |
| Start | 1705 | End | 1852 |
| GI | none | Score | 149 |
| Exons | 1705..1851, 1706..1852 | | |

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|---|---|---|---|
| Seq. No. | 7581 | Seq. ID | OJ990501_26.9A01.C52 |
| Gene No. | 16006 | Strand | + |
| Start | 284 | End | 1165 |
| Name | OJ990501_26.9A01.C52.o1.np | Method | AAT/NAP |
| Start | 284 | End | 1165 |
| GI | 5295955 | Score | 216 |
| Exons | 284..398, 1079..1165 | | |
| GI Descrip. | (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7582 | Seq. ID | OJ990421_22.9A01.C1 |
| Gene No. | 16007 | Strand | - |
| Start | 1 | End | 2328 |
| Name | OJ990421_22.9A01.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2328 |
| GI | 3367596 | Score | 153 |
| Exons | 1..172, 590..891, 1635..1745, 1915..2097, 2183..2328 | | |
| GI Descrip. | (AL031135) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7582 | Seq. ID | OJ990421_22.9A01.C1 |
| Gene No. | 16007 | Strand | - |
| Start | 1 | End | 2328 |
| Name | OJ990421_22.9A01.C1.o1.gs | Method | GENSCAN |
| Start | 99 | End | 2277 |
| GI | none | Score | .4 |
| Exons | 99..196, 690..800, 903..969, 1586..1687, 1921..2100, 2186..2277 | | |

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|---|---|---|---|
| Seq. No. | 7582 | Seq. ID | OJ990421_22.9A01.C1 |
| Gene No. | 16007 | Strand | - |
| Start | 1 | End | 2328 |
| Name | OJ990421_22.9A01.C1.o2.tm | Method | TBLASTX:Maize |
| Start | 682 | End | 960 |
| GI | none | Score | 121 |
| Exons | 682..804, 687..803, 687..857, 689..826, 898..960, 902..949 | | |

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|---|---|---|---|
| Seq. No. | 7582 | Seq. ID | OJ990421_22.9A01.C1 |
| Gene No. | 16007 | Strand | - |
| Start | 1 | End | 2328 |
| Name | OJ990421_22.9A01.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 1989 | End | 2328 |
| GI | none | Score | 92 |
| Exons | 1989..2102, 1995..2075, 2002..2151, 2191..2328, 2194..2328 | | |

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|---|---|---|---|
| Seq. No. | 7583 | Seq. ID | OJ990421_22.9A01.C2 |
| Gene No. | 16008 | Strand | + |
| Start | 449 | End | 877 |
| Name | OJ990421_22.9A01.C2.o1.gs | Method | GENSCAN |
| Start | 449 | End | 877 |
| GI | none | Score | .48 |
| Exons | 449..877 | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16009 | Strand | + |
| Start | 1990 | End | 3295 |
| Name | OJ990421_22.9A01.C3.o1.np | Method | AAT/NAP |
| Start | 1990 | End | 3295 |
| GI | 6815099 | Score | 97 |
| Exons | 1990..2123, 3166..3295 | | |
| GI Descrip. | (AP001081) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o1.tw | Method | TBLASTX:Wheat |
| Start | 4289 | End | 4626 |
| GI | none | Score | 38 |
| Exons | 4289..4333, 4326..4442, 4331..4423, 4332..4424, 4423..4461, 4446..4502, 4447..4503, 4470..4508, 4509..4610, 4519..4626, 4523..4600, 4533..4619 | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o1.gp | Method | AAT/GAP |
| Start | 4455 | End | 4672 |
| GI | 2796570 | Score | 390 |
| Exons | 4455..4672 | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o1.tm | Method | TBLASTX:Maize |
| Start | 4514 | End | 4698 |
| GI | none | Score | 124 |
| Exons | 4514..4600, 4518..4613, 4519..4617, 4519..4635, 4612..4698, 4627..4698 | | |

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| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o1.tc | Method | TBLASTX:Cress |
| Start | 4519 | End | 4908 |
| GI | none | Score | 78 |
| Exons | 4519..4605, 4523..4594, 4636..4656, 4636..4695, 4780..4908, 4781..4894 | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |

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|---|---|---|---|
| Name | OJ990421_22.9A01.C3.o1.ts | Method | TBLASTX:Soybean |
| Start | 4519 | End | 5324 |
| GI | none | Score | 72 |
| Exons | 4519..4632, 4603..4719, 4780..4869, 4781..4867, 4781..4870, 4873..5004, 4876..5004, 4997..5092, 5031..5087, 5093..5191, 5186..5323, 5187..5324 | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o2.np | Method | AAT/NAP |
| Start | 4522 | End | 5436 |
| GI | 2829924 | Score | 643 |
| Exons | 4522..4724, 4779..5436 | | |
| GI Descrip. | (AC002291) Unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o2.gp | Method | AAT/GAP |
| Start | 4906 | End | 5256 |
| GI | LIB3433-016-Q6-K6-H11 | Score | 555 |
| Exons | 4906..5256 | | |
| GI Descrip. | '2829924 7.0e-19 (AC002291) Unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7584 | Seq. ID | OJ990421_22.9A01.C3 |
| Gene No. | 16010 | Strand | - |
| Start | 4455 | End | 5436 |
| Name | OJ990421_22.9A01.C3.o2.tc | Method | TBLASTX:Cress |
| Start | 4909 | End | 5167 |
| GI | none | Score | 68 |
| Exons | 4909..5004, 5012..5098, 5034..5090, 5096..5167 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16011 | Strand | + |
| Start | 4584 | End | 5268 |
| Name | OJ990421_22.9A01.C4.o1.gp | Method | AAT/GAP |
| Start | 4584 | End | 4965 |
| GI | 15915_1.R1084 | Score | 701 |
| Exons | 4584..4965 | | |
| GI Descrip. | '128405/sp\|P16313\|NO21_SOYBN 1.0e-24 NODULIN 21 (N-21) >gi_99942_pir__S08632 nodulin-21 - soybean >gi_18694_emb_CAA34506_ (X16488) nodulin-21 (AA 1-201) [Glycine max]' | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16011 | Strand | + |
| Start | 4584 | End | 5268 |
| Name | OJ990421_22.9A01.C4.o1.np | Method | AAT/NAP |
| Start | 4660 | End | 5268 |
| GI | 6143895 | Score | 545 |
| Exons | 4660..5268 | | |
| GI Descrip. | (AC010718) nodulin-like protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16012 | Strand | + |

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|---|---|---|---|
| Start | 18318 | End | 20491 |
| Name | OJ990421_22.9A01.C4.o5.gs | Method | GENSCAN |
| Start | 18318 | End | 20345 |
| GI | none | Score | .55 |
| Exons | 18318..18511, 18981..19114, 19159..19206, 20116..20345 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16012 | Strand | + |
| Start | 18318 | End | 20491 |
| Name | OJ990421_22.9A01.C4.o3.np | Method | AAT/NAP |
| Start | 18626 | End | 20491 |
| GI | 6721519 | Score | 200 |
| Exons | 18626..18732, 18954..19275, 20400..20491 | | |
| GI Descrip. | (AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16013 | Strand | - |
| Start | 870 | End | 2041 |
| Name | OJ990421_22.9A01.C4.o2.gs | Method | GENSCAN |
| Start | 870 | End | 2041 |
| GI | none | Score | .44 |
| Exons | 870..1037, 1886..2041 | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o2.tm | Method | TBLASTX:Maize |
| Start | 4708 | End | 5097 |
| GI | none | Score | 349 |
| Exons | 4708..4953, 4708..4758, 4773..4925, 5055..5075, 5056..5097 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o2.ts | Method | TBLASTX:Soybean |
| Start | 4723 | End | 5249 |
| GI | none | Score | 287 |
| Exons | 4723..4950, 4773..4928, 5052..5249 | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o2.tc | Method | TBLASTX:Cress |
| Start | 4732 | End | 4938 |
| GI | none | Score | 257 |
| Exons | 4732..4938, 4773..4925 | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o4.gs | Method | GENSCAN |
| Start | 12531 | End | 17682 |
| GI | none | Score | .76 |
| Exons | 12531..12625, 12941..13014, 14262..14343, 14495..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16685, 17612..17682 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o2.gp | Method | AAT/GAP |
| Start | 13755 | End | 17233 |
| GI | 14603_1.R1084 | Score | 1905 |
| Exons | 13755..14129, 14262..14343, 14444..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16685, 17160..17233 | | |
| GI Descrip. | '4033424/sp\|O48556\|IPYR_MAIZE 1.0e-115 SOLUBLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) >gi_2668746 (AF034947) inorganic pyrophosphatase [Zea mays]' | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o1.tm | Method | TBLASTX:Maize |
| Start | 13912 | End | 16687 |
| GI | none | Score | 35 |
| Exons | 13912..13932, 14048..14128, 14066..14128, 14067..14132, 14067..14129, 14258..14320, 14261..14341, 14263..14340, 14441..14566, 14441..14566, 14445..14570, 14445..14570, 14669..14737, 14670..14738, 14671..14739, 14672..14743, 14963..15073, 14963..15061, 14965..15078, 14965..15075, 15251..15382, 15315..15383, 16425..16469, 16429..16473, 16545..16649, 16553..16687, 16646..16684 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o1.tw | Method | TBLASTX:Wheat |
| Start | 14087 | End | 15045 |
| GI | none | Score | 85 |
| Exons | 14087..14128, 14088..14132, 14261..14341, 14262..14306, 14266..14343, 14444..14569, 14445..14570, 14445..14570, 14446..14613, 14669..14737, 14670..14738, 14670..14738, 14671..14739, 14671..14739, 14675..14743, 14940..15041, 14965..15045, 14965..15045 | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o2.np | Method | AAT/NAP |
| Start | 14090 | End | 16681 |
| GI | 4033424 | Score | 835 |
| Exons | 14090..14129, 14262..14343, 14444..14564, 14671..14736, 14965..15072, 15317..15382, 16440..16468, 16555..16681 | | |
| GI Descrip. | SOLUBLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) gi\|2668746 (AF034947) inorganic pyrophosphatase [Zea mays] | | |

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| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o1.tc | Method | TBLASTX:Cress |
| Start | 14261 | End | 16672 |

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|---|---|---|---|
| GI | none | Score | 46 |
| Exons | 14261..14341, 14263..14340, 14441..14569, 14445..14570, 14446..14571, 14671..14715, 14671..14739, 14675..14743, 14942..15073, 14963..15073, 14965..15075, 15251..15382, 15315..15383, 15337..15384, 16429..16473, 16517..16627, 16545..16646, 16547..16672 | | |

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|---|---|---|---|
| Seq. No. | 7585 | Seq. ID | OJ990421_22.9A01.C4 |
| Gene No. | 16014 | Strand | - |
| Start | 12531 | End | 17682 |
| Name | OJ990421_22.9A01.C4.o1.ts | Method | TBLASTX:Soybean |
| Start | 14261 | End | 16634 |
| GI | none | Score | 45 |
| Exons | 14261..14341, 14284..14343, 14445..14570, 14445..14570, 14446..14571, 14671..14739, 14671..14739, 14675..14761, 14963..15070, 14963..15070, 14964..15074, 14965..15099, 14965..15075, 15251..15382, 15318..15383, 16429..16473, 16437..16469, 16553..16633, 16554..16634 | | |

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|---|---|---|---|
| Seq. No. | 7586 | Seq. ID | OJ990421_22.9A01.C5 |
| Gene No. | 16015 | Strand | + |
| Start | 189 | End | 417 |
| Name | OJ990421_22.9A01.C5.o1.gs | Method | GENSCAN |
| Start | 189 | End | 417 |
| GI | none | Score | .65 |
| Exons | 189..417 | | |

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|---|---|---|---|
| Seq. No. | 7586 | Seq. ID | OJ990421_22.9A01.C5 |
| Gene No. | 16016 | Strand | - |
| Start | 1074 | End | 4610 |
| Name | OJ990421_22.9A01.C5.o1.gp | Method | AAT/GAP |
| Start | 1074 | End | 1713 |
| GI | 3761581 | Score | 768 |
| Exons | 1074..1465, 1638..1713 | | |
| GI Descrip. | 5777612/emb\|AJ245900.1\|OSA245900 0.0e+00 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome | | |

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|---|---|---|---|
| Seq. No. | 7586 | Seq. ID | OJ990421_22.9A01.C5 |
| Gene No. | 16016 | Strand | - |
| Start | 1074 | End | 4610 |
| Name | OJ990421_22.9A01.C5.o2.gs | Method | GENSCAN |
| Start | 1391 | End | 3853 |
| GI | none | Score | .79 |
| Exons | 1391..1465, 1526..1574, 1812..2121, 2150..2177, 2678..2798, 3034..3108, 3831..3853 | | |

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|---|---|---|---|
| Seq. No. | 7586 | Seq. ID | OJ990421_22.9A01.C5 |
| Gene No. | 16016 | Strand | - |
| Start | 1074 | End | 4610 |
| Name | OJ990421_22.9A01.C5.o1.np | Method | AAT/NAP |
| Start | 1394 | End | 4610 |
| GI | 5777634 | Score | 1248 |
| Exons | 1394..1465, 1526..1574, 1812..2121, 2678..2862, 3034..3108, 3429..3543, 4520..4610 | | |
| GI Descrip. | (AJ245900) CAA303722.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7586 | Seq. ID | OJ990421_22.9A01.C5 |

| | | | |
|---|---|---|---|
| Gene No. | 16016 | Strand | - |
| Start | 1074 | End | 4610 |
| Name | OJ990421_22.9A01.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 1418 | End | 2134 |
| GI | none | Score | 94 |
| Exons | 1418..1471, 1611..1694, 1618..1692, 1811..1888, 1812..1886, 1812..1898, 1813..1899, 1813..1899, 1953..2078, 1955..2134, 1997..2119 | | |

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| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16017 | Strand | + |
| Start | 2610 | End | 4046 |
| Name | OJ990421_22.9A01.C6.o2.gs | Method | GENSCAN |
| Start | 2610 | End | 4046 |
| GI | none | Score | .54 |
| Exons | 2610..2631, 3952..4046 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16018 | Strand | + |
| Start | 6808 | End | 12783 |
| Name | OJ990421_22.9A01.C6.o4.gs | Method | GENSCAN |
| Start | 6808 | End | 12783 |
| GI | none | Score | .5 |
| Exons | 6808..7210, 7261..7536, 7671..7842, 7957..7990, 8013..9249, 9702..10077, 10314..12783 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16019 | Strand | - |
| Start | 1 | End | 137 |
| Name | OJ990421_22.9A01.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 137 |
| GI | 5777634 | Score | 173 |
| Exons | 1..137 | | |
| GI Descrip. | (AJ245900) CAA303722.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16019 | Strand | - |
| Start | 1 | End | 137 |
| Name | OJ990421_22.9A01.C6.o1.gs | Method | GENSCAN |
| Start | 20 | End | 137 |
| GI | none | Score | .69 |
| Exons | 20..137 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16020 | Strand | - |
| Start | 5111 | End | 5770 |
| Name | OJ990421_22.9A01.C6.o3.gs | Method | GENSCAN |
| Start | 5111 | End | 5770 |
| GI | none | Score | .48 |
| Exons | 5111..5497, 5717..5770 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o3.ts | Method | TBLASTX:Soybean |
| Start | 10564 | End | 10929 |
| GI | none | Score | 143 |

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|---|---|---|---|
| Exons | 10564..10788, 10575..10754, 10795..10929 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 10725 | End | 11130 |
| GI | none | Score | 80 |
| Exons | 10725..10772, 10726..10782, 10777..11130, 10785..11087, 10789..11127, 10793..11128 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o2.tm | Method | TBLASTX:Maize |
| Start | 10780 | End | 10998 |
| GI | none | Score | 285 |
| Exons | 10780..10998, 10780..10956, 10785..10997 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 10999 | End | 11460 |
| GI | none | Score | 564 |
| Exons | 10999..11460, 10999..11388, 11334..11459 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o2.tw | Method | TBLASTX:Wheat |
| Start | 11131 | End | 11529 |
| GI | none | Score | 199 |
| Exons | 11131..11466, 11148..11258, 11446..11529 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 11146 | End | 11616 |
| GI | none | Score | 222 |
| Exons | 11146..11427, 11184..11258, 11428..11616, 11472..11603 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o2.ts | Method | TBLASTX:Soybean |
| Start | 11766 | End | 12179 |
| GI | none | Score | 143 |
| Exons | 11766..11918, 11767..11904, 11925..12008, 11926..12177, 12041..12076, 12057..12179 | | |
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o3.tw | Method | TBLASTX:Wheat |
| Start | 11812 | End | 12210 |

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|---|---|---|---|
| GI | none | Score | 70 |
| Exons | 11812..11895, 11941..12210, 11952..12092 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o3.tm | Method | TBLASTX:Maize |
| Start | 12496 | End | 12774 |
| GI | none | Score | 186 |
| Exons | 12496..12774 | | |

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|---|---|---|---|
| Seq. No. | 7587 | Seq. ID | OJ990421_22.9A01.C6 |
| Gene No. | 16021 | Strand | - |
| Start | 12887 | End | 15549 |
| Name | OJ990421_22.9A01.C6.o5.gs | Method | GENSCAN |
| Start | 12887 | End | 15549 |
| GI | none | Score | .69 |
| Exons | 12887..12901, 12932..13354, 13436..14864, 14983..15122, 15449..15549 | | |

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|---|---|---|---|
| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2005 |
| GI | 4467134 | Score | 236 |
| Exons | 1..94, 188..261, 1765..2005 | | |
| GI Descrip. | (AL035540) protein kinase like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.tw | Method | TBLASTX:Wheat |
| Start | 2 | End | 1910 |
| GI | none | Score | 126 |
| Exons | 2..91, 3..95, 7..117, 9..92, 185..259, 186..260, 187..267, 196..267, 1696..1728, 1750..1908, 1763..1909, 1764..1910, 1764..1910 | | |

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|---|---|---|---|
| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o2.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 266 |
| GI | none | Score | 64 |
| Exons | 2..85, 5..94, 6..95, 6..95, 177..260, 188..259, 189..266, 190..261 | | |

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|---|---|---|---|
| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.gs | Method | GENSCAN |
| Start | 180 | End | 373 |
| GI | none | Score | .83 |
| Exons | 180..261, 309..373 | | |

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| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |

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|---|---|---|---|
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 186 | End | 1943 |
| GI | none | Score | 75 |
| Exons | 186..260, 1763..1927, 1764..1943, 1770..1928 | | |

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|---|---|---|---|
| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 1748 | End | 1942 |
| GI | none | Score | 157 |
| Exons | 1748..1924, 1750..1938, 1763..1942, 1764..1934 | | |

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| Seq. No. | 7588 | Seq. ID | OJ990421_22.9A01.C8 |
| Gene No. | 16022 | Strand | + |
| Start | 1 | End | 2005 |
| Name | OJ990421_22.9A01.C8.o1.ts | Method | TBLASTX:Soybean |
| Start | 1778 | End | 1943 |
| GI | none | Score | 201 |
| Exons | 1778..1927, 1779..1943 | | |

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|---|---|---|---|
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.np | Method | AAT/NAP |
| Start | 1 | End | 589 |
| GI | 6598802 | Score | 226 |
| Exons | 1..147, 257..310, 440..589 | | |
| GI Descrip. | (AF024504) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 16 | End | 538 |
| GI | none | Score | 117 |
| Exons | 16..141, 21..146, 64..150, 66..149, 253..306, 257..307, 273..311, 274..318, 439..537, 440..538 | | |

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|---|---|---|---|
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 16 | End | 577 |
| GI | none | Score | 136 |
| Exons | 16..141, 64..150, 78..149, 257..307, 259..306, 260..307, 274..318, 439..567, 440..577 | | |

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|---|---|---|---|
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.gs | Method | GENSCAN |
| Start | 67 | End | 11375 |
| GI | none | Score | .45 |
| Exons | 67..147, 257..307, 440..580, 1589..1789, 1866..1942, 2430..2468, | | |

2595..2688, 2773..2853, 2976..3044, 3719..5740, 5811..5893,
6057..6078, 6430..6697, 6781..6868, 8564..8714, 10569..10611,
11308..11375

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 1577 | End | 2295 |
| GI | none | Score | 79 |
| Exons | 1577..1687, 1584..1685, 1613..1801, 1621..1788, 1863..1919, 1865..1921, 1865..1921, 1922..1984, 1924..1983, 2239..2295, 2241..2294 | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o3.tc | Method | TBLASTX:Cress |
| Start | 1922 | End | 2832 |
| GI | none | Score | 77 |
| Exons | 1922..1984, 2239..2301, 2398..2469, 2587..2682, 2770..2832 | | |

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|---|---|---|---|
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o2.np | Method | AAT/NAP |
| Start | 2288 | End | 5820 |
| GI | 6358764 | Score | 929 |
| Exons | 2288..2332, 3787..4044, 4252..5820 | | |
| GI Descrip. | (AC011665) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 2799 | End | 3183 |
| GI | none | Score | 80 |
| Exons | 2799..2849, 2800..2856, 2924..3043, 2929..3042, 3099..3182, 3121..3183 | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 3770 | End | 5062 |
| GI | none | Score | 156 |
| Exons | 3770..4039, 3779..4039, 3802..3990, 3850..4038, 3911..4093, 3932..4069, 4100..4444, 4109..4348, 4121..4435, 4141..4311, 4463..4960, 4469..4645, 4721..4966, 4771..4941, 4847..5020, 4943..5062 | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 3770 | End | 5095 |
| GI | none | Score | 175 |

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|---|---|---|---|
| Exons | 3770..4096, 4010..4096, 4100..4363, 4358..4438, 4478..4738, 4619..5095, 4687..5094 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 3770 | End | 5410 |
| GI | none | Score | 181 |
| Exons | 3770..4096, 3779..4072, 3788..4039, 3883..4059, 3902..4015, 4100..4198, 4100..4456, 4115..4336, 4138..4314, 4138..4299, 4154..4303, 4191..4238, 4220..4339, 4253..4342, 4358..4444, 4391..4435, 4478..4741, 4489..4644, 4490..4642, 4490..4660, 4701..4742, 4731..4826, 4790..5410, 4798..4941, 4870..4914, 5008..5220 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 3779 | End | 4954 |
| GI | none | Score | 197 |
| Exons | 3779..4087, 3877..4086, 4016..4096, 4115..4342, 4174..4311, 4355..4438, 4472..4696, 4658..4954, 4687..4941 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 4955 | End | 5440 |
| GI | none | Score | 344 |
| Exons | 4955..5440 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 5261 | End | 5823 |
| GI | none | Score | 126 |
| Exons | 5261..5431, 5516..5626, 5666..5734, 5666..5713, 5764..5823, 5764..5823 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 5519 | End | 5823 |
| GI | none | Score | 80 |
| Exons | 5519..5626, 5672..5734, 5674..5709, 5761..5823, 5764..5823 | | |
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o1.gp | Method | AAT/GAP |
| Start | 6502 | End | 8400 |
| GI | LIB3434-008-P1-K1-E6 | Score | 794 |
| Exons | 6502..6697, 6781..6868, 8147..8400 | | |

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| GI Descrip. | '3880399/emb\|CAA95853.1\| 9.0e-11 (Z71267) predicted using Genefinder; cDNA EST yk275h2.3 comes from this gene; cDNA EST yk309g11.3 comes from this gene; cDNA EST yk309g11.5 comes from this gene; cDNA EST yk275h2.5 comes from this gene [Caenorhabditis elegans]' | | |

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| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o6.tm | Method | TBLASTX:Maize |
| Start | 6639 | End | 8284 |
| GI | none | Score | 79 |
| Exons | 6639..6695, 6640..6696, 6645..6698, 6779..6832, 6780..6833, 6821..6871, 6833..6856, 8145..8222, 8146..8283, 8147..8284, 8147..8284 | | |

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|---|---|---|---|
| Seq. No. | 7589 | Seq. ID | OJ990421_22.9A01.C9 |
| Gene No. | 16023 | Strand | + |
| Start | 1 | End | 11375 |
| Name | OJ990421_22.9A01.C9.o3.np | Method | AAT/NAP |
| Start | 8818 | End | 10683 |
| GI | 5852093 | Score | 64 |
| Exons | 8818..8943, 10656..10683 | | |
| GI Descrip. | (AL117264) zwh16.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16024 | Strand | + |
| Start | 4571 | End | 12835 |
| Name | OJ990421_22.9A01.C10.o2.gs | Method | GENSCAN |
| Start | 4571 | End | 12046 |
| GI | none | Score | .87 |
| Exons | 4571..4645, 6987..7073, 7534..7620, 7709..7834, 8535..10508, 10586..10732, 11293..11810, 11929..12046 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16024 | Strand | + |
| Start | 4571 | End | 12835 |
| Name | OJ990421_22.9A01.C10.o1.np | Method | AAT/NAP |
| Start | 6917 | End | 12835 |
| GI | 2829910 | Score | 2552 |
| Exons | 6917..7073, 7374..7463, 7534..7620, 7709..7859, 8543..10732, 11293..11365, 11396..11810, 11929..12047, 12804..12835 | | |
| GI Descrip. | (AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana] | | |

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| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16025 | Strand | + |
| Start | 15382 | End | 15651 |
| Name | OJ990421_22.9A01.C10.o4.gs | Method | GENSCAN |
| Start | 15382 | End | 15651 |
| GI | none | Score | .8 |
| Exons | 15382..15651 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16026 | Strand | + |
| Start | 24673 | End | 39388 |
| Name | OJ990421_22.9A01.C10.o2.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 24673 | End | 39385 |
| GI | 1707642 | Score | 2089 |
| Exons | 24673..24823, 36198..38401, 38871..39385 | | |
| GI Descrip. | (Y07748) TMK [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16026 | Strand | + |
| Start | 24673 | End | 39388 |
| Name | OJ990421_22.9A01.C10.o6.gs | Method | GENSCAN |
| Start | 27533 | End | 39388 |
| GI | none | Score | .71 |
| Exons | 27533..27540, 30867..31029, 32920..32988, 34654..34693, 36143..38401, 38871..39388 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16026 | Strand | + |
| Start | 24673 | End | 39388 |
| Name | OJ990421_22.9A01.C10.o3.gp | Method | AAT/GAP |
| Start | 35954 | End | 36346 |
| GI | uC-osflcyp157b11b1 | Score | 705 |
| Exons | 35954..36346 | | |
| GI Descrip. | '5262765/emb\|CAB45913.1\| 8.0e-13 (AL080283) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16026 | Strand | + |
| Start | 24673 | End | 39388 |
| Name | OJ990421_22.9A01.C10.o4.gp | Method | AAT/GAP |
| Start | 36738 | End | 37314 |
| GI | 43640_1.R1084 | Score | 1150 |
| Exons | 36738..37314 | | |
| GI Descrip. | '1174718/sp\|P43298\|TMK1_ARATH 3.0e-38 PUTATIVE RECEPTOR PROTEIN KINASE TMK1 PRECURSOR >gi_322579_pir__JQ1674 receptor protein kinase TMK1 (EC 2.7.1.-) precursor - Arabidopsis thaliana >gi_166888 (L00670) protein kinase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16027 | Strand | + |
| Start | 41320 | End | 41728 |
| Name | OJ990421_22.9A01.C10.o6.gp | Method | AAT/GAP |
| Start | 41320 | End | 41728 |
| GI | none | Score | 814 |
| Exons | 41320..41728 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o8.gs | Method | GENSCAN |
| Start | 46531 | End | 57265 |
| GI | none | Score | .69 |
| Exons | 46531..46782, 47014..47125, 47130..47281, 47437..47822, 48348..48423, 48732..48971, 49585..49675, 50133..50217, 51657..51894, 52034..52129, 52900..53020, 53187..53345, 53372..53422, 53892..54007, 54076..54288, 55000..55118, 55482..55682, 55784..55883, 56006..56115, 56215..56361, 57157..57265 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o9.gp | Method | AAT/GAP |
| Start | 47025 | End | 47362 |
| GI | none | Score | 654 |
| Exons | 47025..47362 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o10.gp | Method | AAT/GAP |
| Start | 47472 | End | 47942 |
| GI | 3762480 | Score | 815 |
| Exons | 47472..47942 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o4.np | Method | AAT/NAP |
| Start | 51160 | End | 57283 |
| GI | 6730754 | Score | 526 |
| Exons | 51160..51181, 53362..53422, 53869..54007, 54076..54288, 54913..55152, 55470..55682, 55781..55883, 56006..56048, 56076..56115, 56215..56361, 57157..57283 | | |
| GI Descrip. | (AC016529) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o11.gp | Method | AAT/GAP |
| Start | 54247 | End | 55861 |
| GI | 18293_1.R1084 | Score | 986 |
| Exons | 54247..54288, 54913..55118, 55482..55682, 55784..55861 | | |
| GI Descrip. | '100226/pir\|\|S21495 8.0e-25 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]' | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16028 | Strand | + |
| Start | 46531 | End | 57549 |
| Name | OJ990421_22.9A01.C10.o12.gp | Method | AAT/GAP |
| Start | 56238 | End | 57549 |
| GI | 17603_1.R1084 | Score | 956 |
| Exons | 56238..56361, 57157..57549 | | |
| GI Descrip. | '4587550/gb\|AAD25781.1\|AC006577_17 5.0e-12 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16029 | Strand | + |
| Start | 58866 | End | 63060 |
| Name | OJ990421_22.9A01.C10.o9.gs | Method | GENSCAN |
| Start | 58866 | End | 63060 |
| GI | none | Score | .6 |
| Exons | 58866..59036, 59118..59213, 60155..60363, 60463..60579, 60793..60931, 61383..61588, 61695..61895, 61965..62064, | | |

62125..62273, 62372..62518, 62913..63060

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16029 | Strand | + |
| Start | 58866 | End | 63060 |
| Name | OJ990421_22.9A01.C10.o7.np | Method | AAT/NAP |
| Start | 60790 | End | 62749 |
| GI | 4587550 | Score | 284 |
| Exons | 60790..60931, 61013..61225, 61383..61588, 61649..61899, 61966..62064, 62153..62232, 62370..62518, 62626..62749 | | |
| GI Descrip. | (AC006577) EST gb\|R64848 comes from this gene. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16029 | Strand | + |
| Start | 58866 | End | 63060 |
| Name | OJ990421_22.9A01.C10.o6.np | Method | AAT/NAP |
| Start | 60795 | End | 62752 |
| GI | 6730754 | Score | 291 |
| Exons | 60795..60931, 61013..61225, 61383..61588, 61649..61899, 61966..62064, 62153..62232, 62370..62518, 62626..62752 | | |
| GI Descrip. | (AC016529) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16029 | Strand | + |
| Start | 58866 | End | 63060 |
| Name | OJ990421_22.9A01.C10.o13.gp | Method | AAT/GAP |
| Start | 62372 | End | 62540 |
| GI | 286510 | Score | 262 |
| Exons | 62372..62540 | | |
| GI Descrip. | 5262765/emb\|CAB45913.1\| 8.0e-13 (AL080283) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16030 | Strand | - |
| Start | 511 | End | 1442 |
| Name | OJ990421_22.9A01.C10.o1.gs | Method | GENSCAN |
| Start | 511 | End | 1442 |
| GI | none | Score | .65 |
| Exons | 511..645, 1218..1442 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16031 | Strand | - |
| Start | 13022 | End | 13429 |
| Name | OJ990421_22.9A01.C10.o3.gs | Method | GENSCAN |
| Start | 13022 | End | 13429 |
| GI | none | Score | .59 |
| Exons | 13022..13429 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16032 | Strand | - |
| Start | 39282 | End | 39734 |
| Name | OJ990421_22.9A01.C10.o5.gp | Method | AAT/GAP |
| Start | 39282 | End | 39734 |
| GI | none | Score | 882 |
| Exons | 39282..39734 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o9.ts | Method | TBLASTX:Soybean |
| Start | 7014 | End | 8903 |
| GI | none | Score | 96 |
| Exons | 7014..7073, 7016..7075, 7373..7462, 7375..7461, 7536..7619, 7537..7623, 7708..7773, 7709..7783, 7709..7777, 8661..8702, 8687..8734, 8687..8755, 8750..8803, 8751..8804, 8820..8903 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o14.tm | Method | TBLASTX:Maize |
| Start | 8587 | End | 8756 |
| GI | none | Score | 134 |
| Exons | 8587..8694, 8588..8695, 8589..8693, 8590..8694, 8689..8745, 8690..8740, 8691..8756 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o2.tm | Method | TBLASTX:Maize |
| Start | 8841 | End | 9923 |
| GI | none | Score | 747 |
| Exons | 8841..9434, 8847..9341, 9062..9433, 9236..9427, 9449..9484, 9450..9647, 9450..9584, 9732..9917, 9732..9797, 9738..9923, 9770..9913 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o2.tc | Method | TBLASTX:Cress |
| Start | 8865 | End | 9917 |
| GI | none | Score | 61 |
| Exons | 8865..9002, 8904..9005, 8958..9143, 9060..9143, 9186..9326, 9234..9266, 9255..9422, 9378..9464, 9407..9433, 9444..9686, 9449..9691, 9450..9662, 9450..9509, 9453..9821, 9727..9810, 9732..9821, 9753..9917 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o2.ts | Method | TBLASTX:Soybean |
| Start | 8904 | End | 9956 |
| GI | none | Score | 146 |
| Exons | 8904..9101, 8913..9002, 8958..9131, 9057..9143, 9186..9422, 9276..9428, 9450..9584, 9458..9691, 9459..9956, 9468..9899, 9640..9954, 9758..9955, 9770..9910 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o12.tm | Method | TBLASTX:Maize |
| Start | 9924 | End | 10082 |
| GI | none | Score | 253 |
| Exons | 9924..10082, 9926..10081 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o5.ts | Method | TBLASTX:Soybean |
| Start | 9957 | End | 10195 |
| GI | none | Score | 334 |
| Exons | 9957..10193, 9959..10195, 9970..10194 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o7.tm | Method | TBLASTX:Maize |
| Start | 10082 | End | 10360 |
| GI | none | Score | 356 |
| Exons | 10082..10360, 10083..10355 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o9.tm | Method | TBLASTX:Maize |
| Start | 11695 | End | 12031 |
| GI | none | Score | 176 |
| Exons | 11695..11823, 11697..11810, 11915..12031, 11926..12030 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o6.ts | Method | TBLASTX:Soybean |
| Start | 11703 | End | 12022 |
| GI | none | Score | 161 |
| Exons | 11703..11822, 11704..11823, 11915..12022, 11926..12018 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o3.tc | Method | TBLASTX:Cress |
| Start | 23678 | End | 23954 |
| GI | none | Score | 137 |
| Exons | 23678..23779, 23679..23780, 23795..23929, 23799..23954 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o4.ts | Method | TBLASTX:Soybean |
| Start | 23678 | End | 24872 |
| GI | none | Score | 146 |
| Exons | 23678..23779, 23679..23786, 23688..23783, 23792..23929, 23793..23951, 24126..24197, 24201..24449, 24507..24758, 24593..24754, 24825..24872 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o4.tw | Method | TBLASTX:Wheat |
| Start | 23679 | End | 23891 |
| GI | none | Score | 153 |

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|---|---|---|---|
| Exons | 23679..23780, 23685..23780, 23793..23813, 23825..23890, 23826..23891 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 36115 | End | 39393 |
| GI | none | Score | 41 |
| Exons | 36115..36198, 36202..36237, 36259..36336, 36396..36545, 36409..36534, 36556..36651, 36571..36711, 36586..36762, 36601..36711, 36664..36759, 36772..36864, 36772..36933, 36880..37017, 36880..37011, 37068..37430, 37072..37431, 37201..37320, 37264..37437, 37633..37737, 37768..38424, 37803..38219, 38029..38397, 38250..38432, 38866..38943, 38867..39280, 39049..39234, 39284..39388, 39334..39393 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o13.tm | Method | TBLASTX:Maize |
| Start | 36117 | End | 36522 |
| GI | none | Score | 63 |
| Exons | 36117..36134, 36154..36216, 36256..36339, 36264..36338, 36396..36497, 36409..36477, 36478..36522 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o7.ts | Method | TBLASTX:Soybean |
| Start | 36522 | End | 36846 |
| GI | none | Score | 238 |
| Exons | 36522..36791, 36523..36765, 36772..36846 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 36559 | End | 37392 |
| GI | none | Score | 82 |
| Exons | 36559..36696, 36562..36714, 36765..37376, 36772..37377, 37249..37392, 37282..37392 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 36847 | End | 39400 |
| GI | none | Score | 96 |
| Exons | 36847..37014, 37231..37494, 37581..37613, 37633..38340, 37777..37974, 37803..38339, 38340..38399, 38347..38400, 38866..38949, 38867..38974, 38972..39280, 38972..39277, 38989..39279, 39278..39400, 39311..39388, 39334..39393 | | |
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |

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|---|---|---|---|
| Name | OJ990421_22.9A01.C10.o3.tm | Method | TBLASTX:Maize |
| Start | 37693 | End | 38271 |
| GI | none | Score | 649 |
| Exons | 37693..38271, 37738..37980, 37812..38270 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o2.tw | Method | TBLASTX:Wheat |
| Start | 38106 | End | 38965 |
| GI | none | Score | 285 |
| Exons | 38106..38399, 38107..38400, 38109..38399, 38866..38964, 38867..38965, 38870..38965 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o6.tm | Method | TBLASTX:Maize |
| Start | 38857 | End | 39250 |
| GI | none | Score | 105 |
| Exons | 38857..38952, 38867..38974, 38867..38974, 38972..39067, 39063..39161, 39067..39162, 39068..39163, 39081..39164, 39148..39237, 39164..39250, 39176..39250 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 38975 | End | 39340 |
| GI | none | Score | 503 |
| Exons | 38975..39313, 38975..39313, 39305..39340 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o7.gs | Method | GENSCAN |
| Start | 40507 | End | 44771 |
| GI | none | Score | .76 |
| Exons | 40507..40595, 41029..41179, 42246..42360, 42744..42778, 44215..44307, 44389..44439, 44733..44771 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o7.gp | Method | AAT/GAP |
| Start | 41881 | End | 42105 |
| GI | 3762689 | Score | 395 |
| Exons | 41881..42105 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o10.tm | Method | TBLASTX:Maize |
| Start | 42091 | End | 44628 |
| GI | none | Score | 116 |
| Exons | 42091..42171, 42095..42178, 42096..42179, 42219..42359, 42245..42361, 42246..42362, 42247..42366, 43932..43973, | | |

43939..43974, 43941..43979, 43974..44042, 43974..44036,
43975..44052, 43975..44040, 44202..44309, 44203..44310,
44203..44313, 44216..44341, 44387..44440, 44389..44442,
44390..44440, 44529..44609, 44542..44628

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o5.tc | Method | TBLASTX:Cress |
| Start | 42102 | End | 44609 |
| GI | none | Score | 59 |

Exons 42102..42179, 42113..42178, 42219..42338, 42250..42330,
42330..42359, 43926..43970, 43977..44039, 44200..44310,
44203..44313, 44216..44335, 44389..44448, 44390..44443,
44553..44609, 44554..44607

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o3.np | Method | AAT/NAP |
| Start | 42110 | End | 45775 |
| GI | 1888557 | Score | 456 |

Exons 42110..42165, 42242..42360, 43942..44039, 44215..44307,
44389..44441, 44546..44649, 45689..45775

GI Descrip. (U89841) diadenosine 5',5'''-P1,P4-tetraphosphate hydrolase
[Lupinus angustifolius]

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o8.gp | Method | AAT/GAP |
| Start | 42126 | End | 44798 |
| GI | 9700_1.R1084 | Score | 1065 |

Exons 42126..42169, 42246..42360, 43942..44039, 44215..44307,
44389..44439, 44541..44798

GI Descrip. '2564253/emb|CAB17083| 2.0e-50 (Z99996) diadenosine
5'',5''''''-P1,P4-tetraphosphate hydrolase [Hordeum vulgare]'

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o8.ts | Method | TBLASTX:Soybean |
| Start | 43947 | End | 44616 |
| GI | none | Score | 66 |

Exons 43947..43973, 43974..44039, 44202..44309, 44203..44310,
44203..44313, 44213..44338, 44388..44441, 44389..44442,
44389..44442, 44562..44609, 44563..44616

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16033 | Strand | - |
| Start | 40507 | End | 45775 |
| Name | OJ990421_22.9A01.C10.o3.tw | Method | TBLASTX:Wheat |
| Start | 43967 | End | 44768 |
| GI | none | Score | 72 |

Exons 43967..44041, 43974..44054, 43974..44036, 43975..44067,
43975..44040, 44203..44313, 44216..44341, 44373..44441,
44382..44444, 44383..44445, 44529..44609, 44542..44643,

44748..44768

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o11.tm | Method | TBLASTX:Maize |
| Start | 46740 | End | 60358 |
| GI | none | Score | 65 |
| Exons | 46740..46856, 51768..51896, 51769..51897, 52031..52129, 52031..52129, 52033..52131, 52033..52134, 52849..53103, 52897..53103, 52898..53104, 60182..60358 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o8.tm | Method | TBLASTX:Maize |
| Start | 47189 | End | 47947 |
| GI | none | Score | 90 |
| Exons | 47189..47248, 47197..47301, 47245..47406, 47246..47410, 47276..47410, 47521..47556, 47614..47688, 47704..47733, 47760..47837, 47761..47838, 47837..47890, 47837..47875, 47893..47946, 47918..47947 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o4.tc | Method | TBLASTX:Cress |
| Start | 51769 | End | 60352 |
| GI | none | Score | 158 |
| Exons | 51769..51897, 51774..51890, 52031..52129, 52897..53094, 52897..53088, 53154..53249, 53161..53310, 60131..60352 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o5.tm | Method | TBLASTX:Maize |
| Start | 53184 | End | 61589 |
| GI | none | Score | 82 |
| Exons | 53184..53279, 53184..53279, 53185..53307, 53283..53375, 53284..53373, 53284..53376, 53288..53374, 53371..53418, 53376..53420, 53378..53422, 53380..53427, 53861..54007, 53866..54021, 53871..54002, 53872..54009, 53912..54016, 54060..54230, 54076..54306, 54076..54303, 54912..55118, 54913..55119, 55473..55568, 55483..55527, 55521..55589, 55522..55587, 60599..60652, 60656..60694, 60788..60943, 60788..60955, 61012..61218, 61013..61228, 61019..61228, 61383..61589, 61385..61588 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o3.ts | Method | TBLASTX:Soybean |
| Start | 53845 | End | 61234 |
| GI | none | Score | 85 |
| Exons | 53845..54012, 53864..54007, 53866..54012, 53912..54016, 54060..54230, 54076..54303, 54076..54288, 60785..60943, 60787..60939, 61012..61197, 61013..61231, 61022..61234 | | |

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|---|---|---|---|
| Seq. No. | 7590 | Seq. ID | OJ990421_22.9A01.C10 |
| Gene No. | 16034 | Strand | |
| Start | 46740 | End | 62719 |
| Name | OJ990421_22.9A01.C10.o4.tm | Method | TBLASTX:Maize |
| Start | 55590 | End | 62719 |
| GI | none | Score | 156 |
| Exons | 55590..55682, 55591..55683, 55599..55691, 55781..55849, 55782..55841, 55840..55884, 55842..55886, 56004..56099, 56004..56096, 56005..56118, 56212..56361, 56213..56362, 56213..56362, 56214..56372, 57152..57265, 57157..57267, 57157..57264, 61803..61907, 61804..61899, 61957..62022, 61959..62021, 62022..62066, 62023..62067, 62150..62197, 62152..62196, 62369..62518, 62370..62519, 62626..62718, 62627..62719 | | |

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|---|---|---|---|
| Seq. No. | 7591 | Seq. ID | OJ990421_22.9A01.C11 |
| Gene No. | 16035 | Strand | + |
| Start | 88 | End | 264 |
| Name | OJ990421_22.9A01.C11.o1.gs | Method | GENSCAN |
| Start | 88 | End | 264 |
| GI | none | Score | .61 |
| Exons | 88..264 | | |

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|---|---|---|---|
| Seq. No. | 7592 | Seq. ID | OJ990421_22.9A01.C13 |
| Gene No. | 16036 | Strand | - |
| Start | 301 | End | 540 |
| Name | OJ990421_22.9A01.C13.o1.gs | Method | GENSCAN |
| Start | 301 | End | 540 |
| GI | none | Score | .91 |
| Exons | 301..540 | | |

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|---|---|---|---|
| Seq. No. | 7593 | Seq. ID | OJ990421_22.9A01.C16 |
| Gene No. | 16037 | Strand | - |
| Start | 66 | End | 341 |
| Name | OJ990421_22.9A01.C16.o1.gs | Method | GENSCAN |
| Start | 66 | End | 341 |
| GI | none | Score | .71 |
| Exons | 66..109, 293..341 | | |

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|---|---|---|---|
| Seq. No. | 7594 | Seq. ID | OJ990421_22.9A01.C18 |
| Gene No. | 16038 | Strand | - |
| Start | 61 | End | 509 |
| Name | OJ990421_22.9A01.C18.o1.gs | Method | GENSCAN |
| Start | 61 | End | 509 |
| GI | none | Score | .59 |
| Exons | 61..509 | | |

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|---|---|---|---|
| Seq. No. | 7595 | Seq. ID | OJ990421_22.9A01.C19 |
| Gene No. | 16039 | Strand | - |
| Start | 1 | End | 707 |
| Name | OJ990421_22.9A01.C19.o1.np | Method | AAT/NAP |
| Start | 1 | End | 707 |
| GI | 6815072 | Score | 934 |
| Exons | 1..51, 92..707 | | |
| GI Descrip. | (AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7595 | Seq. ID | OJ990421_22.9A01.C19 |
| Gene No. | 16039 | Strand | - |
| Start | 1 | End | 707 |
| Name | OJ990421_22.9A01.C19.o1.gs | Method | GENSCAN |
| Start | 92 | End | 410 |
| GI | none | Score | .65 |
| Exons | 92..410 | | |

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|---|---|---|---|
| Seq. No. | 7595 | Seq. ID | OJ990421_22.9A01.C19 |
| Gene No. | 16039 | Strand | - |
| Start | 1 | End | 707 |
| Name | OJ990421_22.9A01.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 102 | End | 437 |
| GI | none | Score | 88 |
| Exons | 102..203, 216..437, 253..417 | | |

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| Seq. No. | 7595 | Seq. ID | OJ990421_22.9A01.C19 |
| Gene No. | 16039 | Strand | - |
| Start | 1 | End | 707 |
| Name | OJ990421_22.9A01.C19.o1.tw | Method | TBLASTX:Wheat |
| Start | 123 | End | 509 |
| GI | none | Score | 53 |
| Exons | 123..203, 126..188, 216..452, | 232..399, | 444..509 |

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|---|---|---|---|
| Seq. No. | 7596 | Seq. ID | OJ990421_22.9A01.C21 |
| Gene No. | 16040 | Strand | + |
| Start | 154 | End | 439 |
| Name | OJ990421_22.9A01.C21.o1.gs | Method | GENSCAN |
| Start | 154 | End | 439 |
| GI | none | Score | .48 |
| Exons | 154..439 | | |

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|---|---|---|---|
| Seq. No. | 7597 | Seq. ID | OJ990421_22.9A01.C22 |
| Gene No. | 16041 | Strand | + |
| Start | 73 | End | 248 |
| Name | OJ990421_22.9A01.C22.o1.gs | Method | GENSCAN |
| Start | 73 | End | 248 |
| GI | none | Score | .68 |
| Exons | 73..248 | | |

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|---|---|---|---|
| Seq. No. | 7598 | Seq. ID | OJ990421_22.9A01.C26 |
| Gene No. | 16042 | Strand | - |
| Start | 1 | End | 569 |
| Name | OJ990421_22.9A01.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 269 |
| GI | 128620 | Score | 119 |
| Exons | 1..37, 94..269 | | |
| GI Descrip. | NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi\|66139\|pir\|\|DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi\|669087\|emb\|CAA33910\| (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi\|226676\|prf\|\|1603356DD NADH dehydrogenase ND1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7598 | Seq. ID | OJ990421_22.9A01.C26 |
| Gene No. | 16042 | Strand | - |
| Start | 1 | End | 569 |

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|---|---|---|---|
| Name | OJ990421_22.9A01.C26.o1.ts | Method | TBLASTX:Soybean |
| Start | 131 | End | 569 |
| GI | none | Score | 38 |
| Exons | 131..178, 141..176, 142..183, 210..383, 212..349, 304..363, | 161..214, 167..214, 177..224, 443..478, 479..514, 531..569 | |

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|---|---|---|---|
| Seq. No. | 7599 | Seq. ID | OJ990421_22.9A01.C29 |
| Gene No. | 16043 | Strand | - |
| Start | 7 | End | 259 |
| Name | OJ990421_22.9A01.C29.o1.gs | Method | GENSCAN |
| Start | 7 | End | 259 |
| GI | none | Score | .55 |
| Exons | 7..259 | | |

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|---|---|---|---|
| Seq. No. | 7600 | Seq. ID | OJ990421_22.9A01.C30 |
| Gene No. | 16044 | Strand | + |
| Start | 217 | End | 594 |
| Name | OJ990421_22.9A01.C30.o1.gs | Method | GENSCAN |
| Start | 217 | End | 594 |
| GI | none | Score | .53 |
| Exons | 217..594 | | |

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|---|---|---|---|
| Seq. No. | 7601 | Seq. ID | OJ990421_22.9A01.C32 |
| Gene No. | 16045 | Strand | + |
| Start | 255 | End | 733 |
| Name | OJ990421_22.9A01.C32.o1.np | Method | AAT/NAP |
| Start | 255 | End | 733 |
| GI | 4557062 | Score | 232 |
| Exons | 255..733 | | |
| GI Descrip. | (AC007045) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7601 | Seq. ID | OJ990421_22.9A01.C32 |
| Gene No. | 16045 | Strand | + |
| Start | 255 | End | 733 |
| Name | OJ990421_22.9A01.C32.o1.gp | Method | AAT/GAP |
| Start | 428 | End | 733 |
| GI | 1631462 | Score | 535 |
| Exons | 428..733 | | |

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|---|---|---|---|
| Seq. No. | 7601 | Seq. ID | OJ990421_22.9A01.C32 |
| Gene No. | 16046 | Strand | - |
| Start | 340 | End | 682 |
| Name | OJ990421_22.9A01.C32.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 329 |
| GI | none | Score | 78 |
| Exons | 1..51, 1..45, 124..189, 129..188, 260..328, 261..329 | | |

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|---|---|---|---|
| Seq. No. | 7601 | Seq. ID | OJ990421_22.9A01.C32 |
| Gene No. | 16046 | Strand | - |
| Start | 340 | End | 682 |
| Name | OJ990421_22.9A01.C32.o1.ts | Method | TBLASTX:Soybean |
| Start | 255 | End | 616 |
| GI | none | Score | 75 |
| Exons | 255..326, 255..302, 347..436, | 445..615, 446..616 | |

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|---|---|---|---|
| Seq. No. | 7601 | Seq. ID | OJ990421_22.9A01.C32 |
| Gene No. | 16046 | Strand | - |

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|---|---|---|---|
| Start | 340 | End | 682 |
| Name | OJ990421_22.9A01.C32.o1.gs | Method | GENSCAN |
| Start | 340 | End | 682 |
| GI | none | Score | .51 |
| Exons | 340..682 | | |

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| Seq. No. | 7602 | Seq. ID | OJ990421_22.9A01.C35 |
| Gene No. | 16047 | Strand | + |
| Start | 245 | End | 790 |
| Name | OJ990421_22.9A01.C35.o1.gs | Method | GENSCAN |
| Start | 245 | End | 790 |
| GI | none | Score | .42 |
| Exons | 245..410, 620..790 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o1.np | Method | AAT/NAP |
| Start | 1 | End | 4319 |
| GI | 3367638 | Score | 1276 |
| Exons | 1..38, 1052..1140, 1361..1529, 1638..1799, 1894..2035, 2147..2371, 2502..2564, 2648..2722, 4062..4319 | | |
| GI Descrip. | (AJ000331) monogalactosyldiacylglycerol synthase [Arabidopsis thaliana] | | |

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| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o1.gs | Method | GENSCAN |
| Start | 828 | End | 4579 |
| GI | none | Score | .82 |
| Exons | 828..1009, 1058..1140, 1370..1799, 1894..2035, 2147..2371, 2502..2564, 2648..2722, 4062..4271, 4316..4384, 4565..4579 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o2.tm | Method | TBLASTX:Maize |
| Start | 1037 | End | 1794 |
| GI | none | Score | 136 |
| Exons | 1037..1192, 1354..1521, 1357..1491, 1588..1794, 1611..1793 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o1.tc | Method | TBLASTX:Cress |
| Start | 1056 | End | 4346 |
| GI | none | Score | 72 |
| Exons | 1056..1139, 1356..1478, 1357..1491, 1357..1491, 1635..1796, 1639..1800, 1657..1800, 1865..2005, 1895..2035, 1903..2043, 2126..2374, 2144..2329, 2284..2373, 2499..2570, 2507..2569, 2645..2722, 2647..2724, 4050..4346, 4058..4303 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 1738 | End | 2233 |
| GI | none | Score | 93 |
| Exons | 1738..1800, 1749..1796, 1895..2035, 1906..2073, 2123..2233, 2124..2192 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o1.tm | Method | TBLASTX:Maize |
| Start | 1886 | End | 2380 |
| GI | none | Score | 238 |
| Exons | 1886..2035, 1894..2037, 1895..2035, 2144..2380, 2144..2374, 2287..2379 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o4.tm | Method | TBLASTX:Maize |
| Start | 2499 | End | 2724 |
| GI | none | Score | 119 |
| Exons | 2499..2570, 2504..2569, 2645..2722, 2647..2724, 2647..2724 | | |

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|---|---|---|---|
| Seq. No. | 7603 | Seq. ID | OJ990421_22.9A01.C39 |
| Gene No. | 16048 | Strand | + |
| Start | 1 | End | 4579 |
| Name | OJ990421_22.9A01.C39.o3.tm | Method | TBLASTX:Maize |
| Start | 4059 | End | 4324 |
| GI | none | Score | 154 |
| Exons | 4059..4172, 4059..4154, 4060..4197, 4063..4164, 4064..4171, 4155..4214, 4158..4211, 4169..4213, 4211..4249, 4212..4250, 4248..4286, 4250..4288, 4250..4285, 4289..4324 | | |

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|---|---|---|---|
| Seq. No. | 7604 | Seq. ID | OJ990421_22.9A01.C40 |
| Gene No. | 16049 | Strand | + |
| Start | 60 | End | 388 |
| Name | OJ990421_22.9A01.C40.o1.gs | Method | GENSCAN |
| Start | 60 | End | 388 |
| GI | none | Score | 1 |
| Exons | 60..388 | | |

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|---|---|---|---|
| Seq. No. | 7604 | Seq. ID | OJ990421_22.9A01.C40 |
| Gene No. | 16050 | Strand | + |
| Start | 499 | End | 2227 |
| Name | OJ990421_22.9A01.C40.o2.gs | Method | GENSCAN |
| Start | 499 | End | 2227 |
| GI | none | Score | .87 |
| Exons | 499..1078, 1829..1903, 2163..2227 | | |

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|---|---|---|---|
| Seq. No. | 7605 | Seq. ID | OJ990421_22.9A01.C41 |
| Gene No. | 16051 | Strand | + |
| Start | 516 | End | 1003 |
| Name | OJ990421_22.9A01.C41.o1.gp | Method | AAT/GAP |
| Start | 516 | End | 1003 |
| GI | none | Score | 968 |
| Exons | 516..1003 | | |

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|---|---|---|---|
| Seq. No. | 7605 | Seq. ID | OJ990421_22.9A01.C41 |

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|---|---|---|---|
| Gene No. | 16052 | Strand | - |
| Start | 2310 | End | 2415 |
| Name | OJ990421_22.9A01.C41.o2.gs | Method | GENSCAN |
| Start | 2310 | End | 2415 |
| GI | none | Score | .64 |
| Exons | 2310..2415 | | |

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|---|---|---|---|
| Seq. No. | 7606 | Seq. ID | OJ990421_22.9A01.C43 |
| Gene No. | 16053 | Strand | + |
| Start | 1 | End | 563 |
| Name | OJ990421_22.9A01.C43.o1.np | Method | AAT/NAP |
| Start | 1 | End | 563 |
| GI | 6815072 | Score | 963 |
| Exons | 1..563 | | |
| GI Descrip. | (AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7606 | Seq. ID | OJ990421_22.9A01.C43 |
| Gene No. | 16053 | Strand | + |
| Start | 1 | End | 563 |
| Name | OJ990421_22.9A01.C43.o1.gs | Method | GENSCAN |
| Start | 159 | End | 334 |
| GI | none | Score | .51 |
| Exons | 159..334 | | |

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|---|---|---|---|
| Seq. No. | 7607 | Seq. ID | OJ990421_22.9A01.C44 |
| Gene No. | 16054 | Strand | + |
| Start | 1 | End | 317 |
| Name | OJ990421_22.9A01.C44.o1.np | Method | AAT/NAP |
| Start | 1 | End | 317 |
| GI | 6815072 | Score | 495 |
| Exons | 1..317 | | |
| GI Descrip. | (AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7607 | Seq. ID | OJ990421_22.9A01.C44 |
| Gene No. | 16055 | Strand | + |
| Start | 317 | End | 637 |
| Name | OJ990421_22.9A01.C44.o1.ts | Method | TBLASTX:Soybean |
| Start | 42 | End | 224 |
| GI | none | Score | 203 |
| Exons | 42..224, 44..223 | | |

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|---|---|---|---|
| Seq. No. | 7607 | Seq. ID | OJ990421_22.9A01.C44 |
| Gene No. | 16055 | Strand | + |
| Start | 317 | End | 637 |
| Name | OJ990421_22.9A01.C44.o1.gs | Method | GENSCAN |
| Start | 317 | End | 637 |
| GI | none | Score | .73 |
| Exons | 317..326, 494..637 | | |

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|---|---|---|---|
| Seq. No. | 7608 | Seq. ID | OJ990421_22.9A01.C45 |
| Gene No. | 16056 | Strand | + |
| Start | 396 | End | 574 |
| Name | OJ990421_22.9A01.C45.o1.gs | Method | GENSCAN |
| Start | 396 | End | 574 |
| GI | none | Score | .81 |

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|---|---|---|---|
| Exons | 396..574 | | |
| Seq. No. | 7609 | Seq. ID | OJ990421_22.9A01.C47 |
| Gene No. | 16057 | Strand | - |
| Start | 1 | End | 1205 |
| Name | OJ990421_22.9A01.C47.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1205 |
| GI | 6907086 | Score | 862 |
| Exons | 1..382, 440..1205 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7609 | Seq. ID | OJ990421_22.9A01.C47 |
| Gene No. | 16057 | Strand | - |
| Start | 1 | End | 1205 |
| Name | OJ990421_22.9A01.C47.o1.gs | Method | GENSCAN |
| Start | 468 | End | 914 |
| GI | none | Score | .93 |
| Exons | 468..914 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16058 | Strand | + |
| Start | 1 | End | 2959 |
| Name | OJ990331_10.9A01.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2956 |
| GI | 6498441 | Score | 3959 |
| Exons | 1..193, 289..1012, 1184..2581, 2675..2956 | | |
| GI Descrip. | (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa] | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16058 | Strand | + |
| Start | 1 | End | 2959 |
| Name | OJ990331_10.9A01.C5.o1.gs | Method | GENSCAN |
| Start | 260 | End | 2959 |
| GI | none | Score | .67 |
| Exons | 260..1663, 1742..2959 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16059 | Strand | + |
| Start | 16829 | End | 17208 |
| Name | OJ990331_10.9A01.C5.o6.np | Method | AAT/NAP |
| Start | 16121 | End | 17208 |
| GI | 6815053 | Score | 688 |
| Exons | 16121..16267, 16748..16922, 16972..17208 | | |
| GI Descrip. | (AP001080) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16059 | Strand | + |
| Start | 16829 | End | 17208 |
| Name | OJ990331_10.9A01.C5.o6.gs | Method | GENSCAN |
| Start | 16829 | End | 17155 |
| GI | none | Score | .58 |
| Exons | 16829..17155 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16060 | Strand | + |

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|---|---|---|---|
| Start | 19897 | End | 22828 |
| Name | OJ990331_10.9A01.C5.o2.gp | Method | AAT/GAP |
| Start | 18884 | End | 18948 |
| GI | 2312838 | Score | 67 |
| Exons | 18884..18948 | | |
| GI Descrip. | 1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16060 | Strand | + |
| Start | 19897 | End | 22828 |
| Name | OJ990331_10.9A01.C5.o7.gs | Method | GENSCAN |
| Start | 19897 | End | 22828 |
| GI | none | Score | .93 |
| Exons | 19897..19931, 20052..20167, 20277..20435, 20514..20827, 21070..21204, 21383..21457, 21966..22243, 22319..22454, 22544..22655, 22737..22828 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16060 | Strand | + |
| Start | 19897 | End | 22828 |
| Name | OJ990331_10.9A01.C5.o7.np | Method | AAT/NAP |
| Start | 20125 | End | 22828 |
| GI | 2341034 | Score | 1117 |
| Exons | 20125..20167, 20277..20435, 20514..20689, 21966..22243, 22319..22454, 22544..22655, 22737..22828 | | |
| GI Descrip. | (AC000104) F19P19.13 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16061 | Strand | + |
| Start | 23301 | End | 23571 |
| Name | OJ990331_10.9A01.C5.o3.gp | Method | AAT/GAP |
| Start | 23301 | End | 23571 |
| GI | 4715474 | Score | 499 |
| Exons | 23301..23571 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16062 | Strand | + |
| Start | 29839 | End | 34461 |
| Name | OJ990331_10.9A01.C5.o10.gs | Method | GENSCAN |
| Start | 29839 | End | 32576 |
| GI | none | Score | .75 |
| Exons | 29839..30245, 30328..30455, 32083..32576 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16062 | Strand | + |
| Start | 29839 | End | 34461 |
| Name | OJ990331_10.9A01.C5.o9.np | Method | AAT/NAP |
| Start | 29986 | End | 34461 |
| GI | 5931643 | Score | 239 |
| Exons | 29986..30245, 30328..30432, 34393..34461 | | |
| GI Descrip. | (AJ011623) squamosa promoter binding protein-homologue 5 [Antirrhinum majus] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16062 | Strand | + |
| Start | 29839 | End | 34461 |

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|---|---|---|---|
| Name | OJ990331_10.9A01.C5.o10.np | Method | AAT/NAP |
| Start | 32032 | End | 33457 |
| GI | 5852084 | Score | 80 |
| Exons | 32032..32072, 33373..33457 | | |
| GI Descrip. | (AL117264) zwh0007.1 [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16063 | Strand | + |
| Start | 52997 | End | 58449 |
| Name | OJ990331_10.9A01.C5.o13.gs | Method | GENSCAN |
| Start | 52997 | End | 58415 |
| GI | none | Score | .9 |
| Exons | 52997..53069, 53204..53268, 53664..53753, 53842..53928, 54027..54086, 54196..54246, 54327..54422, 54707..54772, 55205..55422, 55651..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58415 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16063 | Strand | + |
| Start | 52997 | End | 58449 |
| Name | OJ990331_10.9A01.C5.o13.np | Method | AAT/NAP |
| Start | 52997 | End | 58412 |
| GI | 135535 | Score | 1914 |
| Exons | 52997..53069, 53204..53268, 53664..53753, 53842..53928, 54027..54086, 54196..54246, 54327..54422, 54707..54772, 55205..55422, 55651..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58412 | | |
| GI Descrip. | T-COMPLEX PROTEIN 1, ALPHA SUBUNIT (TCP-1-ALPHA) (CCT-ALPHA) gi\|322602\|pir\|\|JN0448 t-complex polypeptide Tcp-1 - Arabidopsis thaliana gi\|217871\|dbj\|BAA01955\| (D11351) t-complex polypeptide 1 homologue [Arabidopsis thaliana] gi\|2326265\|dbj\|BAA21772\| (D11352) CCT alpha/TCP-1 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16063 | Strand | + |
| Start | 52997 | End | 58449 |
| Name | OJ990331_10.9A01.C5.o5.gp | Method | AAT/GAP |
| Start | 55642 | End | 58449 |
| GI | 532_1.R1084 | Score | 1424 |
| Exons | 55642..55747, 56163..56249, 56450..56584, 56679..56783, 57275..57403, 57483..57586, 58156..58246, 58332..58449 | | |
| GI Descrip. | '287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)' | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16064 | Strand | + |
| Start | 58408 | End | 58686 |
| Name | OJ990331_10.9A01.C5.o6.gp | Method | AAT/GAP |
| Start | 58408 | End | 58686 |
| GI | 6067_1.R1084 | Score | 521 |
| Exons | 58408..58686 | | |
| GI Descrip. | '287938/emb\|X54204\|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)' | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |

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|---|---|---|---|
| Gene No. | 16065 | Strand | + |
| Start | 58897 | End | 59687 |
| Name | OJ990331_10.9A01.C5.o14.gs | Method | GENSCAN |
| Start | 58897 | End | 59687 |
| GI | none | Score | .61 |
| Exons | 58897..59016, 59266..59582, 59600..59687 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16066 | Strand | + |
| Start | 60539 | End | 71641 |
| Name | OJ990331_10.9A01.C5.o14.np | Method | AAT/NAP |
| Start | 60513 | End | 71641 |
| GI | 6686395 | Score | 1082 |
| Exons | 60513..60701, 60795..60907, 61253..61446, 61699..61991, 70832..70944, 71021..71216, 71252..71641 | | |
| GI Descrip. | (AC007234) F1E22.6 [Arabidopsis thaliana] | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16066 | Strand | + |
| Start | 60539 | End | 71641 |
| Name | OJ990331_10.9A01.C5.o15.gs | Method | GENSCAN |
| Start | 60539 | End | 62023 |
| GI | none | Score | .98 |
| Exons | 60539..60701, 60795..60907, 61253..61446, 61699..62023 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16066 | Strand | + |
| Start | 60539 | End | 71641 |
| Name | OJ990331_10.9A01.C5.o7.gp | Method | AAT/GAP |
| Start | 70504 | End | 71100 |
| GI | 428816 | Score | 741 |
| Exons | 70504..70731, 70832..70944, 71021..71100 | | |
| GI Descrip. | 2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16067 | Strand | + |
| Start | 76751 | End | 77430 |
| Name | OJ990331_10.9A01.C5.o15.np | Method | AAT/NAP |
| Start | 76751 | End | 77430 |
| GI | 4895243 | Score | 446 |
| Exons | 76751..77430 | | |
| GI Descrip. | (AC007659) putative PREG1-like negative regulator [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16068 | Strand | + |
| Start | 81136 | End | 82812 |
| Name | OJ990331_10.9A01.C5.o19.gs | Method | GENSCAN |
| Start | 81136 | End | 82812 |
| GI | none | Score | .99 |
| Exons | 81136..82812 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16068 | Strand | + |
| Start | 81136 | End | 82812 |
| Name | OJ990331_10.9A01.C5.o16.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 81154 | End | 82797 |
| GI | 1786142 | Score | 591 |
| Exons | 81154..81352, 81407..82128, 82267..82797 | | |
| GI Descrip. | (AB000455) PEThy;ZPT4-1 [Petunia x hybrida] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16069 | Strand | - |
| Start | 1445 | End | 7039 |
| Name | OJ990331_10.9A01.C5.o2.np | Method | AAT/NAP |
| Start | 1445 | End | 5210 |
| GI | 6907089 | Score | 2298 |
| Exons | 1445..1624, 3598..3849, 3950..5210 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16069 | Strand | - |
| Start | 1445 | End | 7039 |
| Name | OJ990331_10.9A01.C5.o2.gs | Method | GENSCAN |
| Start | 3581 | End | 5210 |
| GI | none | Score | .92 |
| Exons | 3581..3849, 3950..4058, 4107..5014, 5081..5210 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16069 | Strand | - |
| Start | 1445 | End | 7039 |
| Name | OJ990331_10.9A01.C5.o3.np | Method | AAT/NAP |
| Start | 4294 | End | 7039 |
| GI | 5922623 | Score | 122 |
| Exons | 4294..4319, 6284..6438, 6955..7039 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16070 | Strand | - |
| Start | 7077 | End | 11008 |
| Name | OJ990331_10.9A01.C5.o3.gs | Method | GENSCAN |
| Start | 7077 | End | 10943 |
| GI | none | Score | .59 |
| Exons | 7077..8601, 8794..8986, 9700..9796, 10037..10349, 10463..10712, 10817..10943 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16070 | Strand | - |
| Start | 7077 | End | 11008 |
| Name | OJ990331_10.9A01.C5.o4.np | Method | AAT/NAP |
| Start | 10016 | End | 10943 |
| GI | 3264596 | Score | 1100 |
| Exons | 10016..10381, 10463..10712, 10817..10943 | | |
| GI Descrip. | (AF057183) putative tonoplast aquaporin [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16070 | Strand | - |
| Start | 7077 | End | 11008 |
| Name | OJ990331_10.9A01.C5.o1.gp | Method | AAT/GAP |
| Start | 10344 | End | 11008 |
| GI | LIB3434-057-P1-K1-A5 | Score | 879 |

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|---|---|---|---|
| Exons | 10344..10381, 10463..10712, 10817..11008 | | |
| GI Descrip. | '4895251/gb\|AAD32836.1\|AC007659_18 7.0e-33 (AC007659) hypothetical protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16071 | Strand | - |
| Start | 11662 | End | 13913 |
| Name | OJ990331_10.9A01.C5.o4.gs | Method | GENSCAN |
| Start | 11662 | End | 13913 |
| GI | none | Score | .6 |
| Exons | 11662..11835, 12260..12367, 13863..13913 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16072 | Strand | - |
| Start | 14257 | End | 15215 |
| Name | OJ990331_10.9A01.C5.o5.gs | Method | GENSCAN |
| Start | 14257 | End | 15215 |
| GI | none | Score | .61 |
| Exons | 14257..14353, 14402..14463, 14882..14983, 15042..15215 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16073 | Strand | - |
| Start | 19537 | End | 27150 |
| Name | OJ990331_10.9A01.C5.o8.np | Method | AAT/NAP |
| Start | 19537 | End | 26876 |
| GI | 2245020 | Score | 1359 |
| Exons | 19537..19579, 20507..20599, 23840..24041, 24257..24585, 24823..24925, 25050..25231, 25695..25884, 26130..26218, 26296..26372, 26840..26876 | | |
| GI Descrip. | (Z97341) growth regulator like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16073 | Strand | - |
| Start | 19537 | End | 27150 |
| Name | OJ990331_10.9A01.C5.o8.gs | Method | GENSCAN |
| Start | 23359 | End | 27150 |
| GI | none | Score | .75 |
| Exons | 23359..23481, 23939..24041, 24257..24349, 24482..24585, 24823..24925, 25050..25231, 25695..25884, 26130..26218, 26296..26372, 26558..26597, 26956..27150 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16073 | Strand | - |
| Start | 19537 | End | 27150 |
| Name | OJ990331_10.9A01.C5.o4.gp | Method | AAT/GAP |
| Start | 25060 | End | 26575 |
| GI | 4715473 | Score | 1089 |
| Exons | 25060..25231, 25695..25884, 26130..26218, 26296..26372, 26470..26575 | | |
| GI Descrip. | 2245020/emb\|CAB10440.1\| 1.0e-40 (Z97341) growth regulator like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16074 | Strand | - |
| Start | 29082 | End | 29483 |
| Name | OJ990331_10.9A01.C5.o9.gs | Method | GENSCAN |
| Start | 29082 | End | 29483 |

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|---|---|---|---|
| GI | none | Score | .73 |
| Exons | 29082..29483 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16075 | Strand | - |
| Start | 33169 | End | 43012 |
| Name | OJ990331_10.9A01.C5.o11.gs | Method | GENSCAN |
| Start | 33169 | End | 43012 |
| GI | none | Score | .4 |
| Exons | 33169..33188, 34090..34152, 42493..42764, 42915..43012 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16075 | Strand | - |
| Start | 33169 | End | 43012 |
| Name | OJ990331_10.9A01.C5.o11.np | Method | AAT/NAP |
| Start | 33445 | End | 36018 |
| GI | 4680204 | Score | 80 |
| Exons | 33445..33511, 35672..36018 | | |
| GI Descrip. | (AF114171) hypothetical protein [Sorghum bicolor] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16076 | Strand | - |
| Start | 51119 | End | 52704 |
| Name | OJ990331_10.9A01.C5.o12.np | Method | AAT/NAP |
| Start | 51119 | End | 52704 |
| GI | 3193328 | Score | 476 |
| Exons | 51119..51224, 52025..52090, 52233..52704 | | |
| GI Descrip. | (AF069299) No definition line found [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16077 | Strand | - |
| Start | 63259 | End | 65400 |
| Name | OJ990331_10.9A01.C5.o16.gs | Method | GENSCAN |
| Start | 63259 | End | 65400 |
| GI | none | Score | .74 |
| Exons | 63259..63532, 64065..64184, 64805..64940, 65328..65400 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16078 | Strand | - |
| Start | 77931 | End | 79122 |
| Name | OJ990331_10.9A01.C5.o18.gs | Method | GENSCAN |
| Start | 77931 | End | 79122 |
| GI | none | Score | .56 |
| Exons | 77931..78084, 78256..78438, 78959..79122 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o5.tw | Method | TBLASTX:Wheat |
| Start | 147 | End | 421 |
| GI | none | Score | 110 |
| Exons | 147..233, 149..232, 215..421, 241..396 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o9.tm | Method | TBLASTX:Maize |

| | | | |
|---|---|---|---|
| Start | 150 | End | 505 |
| GI | none | Score | 72 |
| Exons | 150..230, 221..403, 238..396, 422..505 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o4.tw | Method | TBLASTX:Wheat |
| Start | 857 | End | 1318 |
| GI | none | Score | 231 |
| Exons | 857..1108, 884..1135, 949..1134, 1113..1145, 1178..1318, 1180..1317 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o8.ts | Method | TBLASTX:Soybean |
| Start | 1007 | End | 1573 |
| GI | 5666795 | Score | 63 |
| Exons | 1007..1105, 1181..1318, 1373..1573 | | |
| GI Descrip. | 4206306 2.0e-10 (AF049110) prpol [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o9.tw | Method | TBLASTX:Wheat |
| Start | 1321 | End | 1633 |
| GI | none | Score | 191 |
| Exons | 1321..1497, 1373..1633 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o5.tm | Method | TBLASTX:Maize |
| Start | 1826 | End | 2149 |
| GI | none | Score | 368 |
| Exons | 1826..2149, 1855..2136 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o3.tw | Method | TBLASTX:Wheat |
| Start | 1963 | End | 2364 |
| GI | none | Score | 384 |
| Exons | 1963..2364, 1964..2344 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o8.tw | Method | TBLASTX:Wheat |
| Start | 2369 | End | 2947 |
| GI | none | Score | 239 |
| Exons | 2369..2647, 2371..2628, 2393..2761, 2821..2943, 2822..2947 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |

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|---|---|---|---|
| Name | OJ990331_10.9A01.C5.o7.tm | Method | TBLASTX:Maize |
| Start | 4559 | End | 30394 |
| GI | none | Score | 70 |
| Exons | 4559..4672, 30061..30246, 30108..30248, 30326..30394 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o2.ts | Method | TBLASTX:Soybean |
| Start | 9945 | End | 10944 |
| GI | none | Score | 97 |
| Exons | 9945..9995, 10022..10357, 10034..10270, 10101..10358, 10478..10708, 10486..10710, 10486..10710, 10809..10925, 10810..10944 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o1.tm | Method | TBLASTX:Maize |
| Start | 10007 | End | 10950 |
| GI | none | Score | 100 |
| Exons | 10007..10360, 10008..10061, 10013..10270, 10101..10361, 10358..10396, 10484..10714, 10486..10713, 10809..10928, 10810..10944, 10855..10950, 10856..10945 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o1.tc | Method | TBLASTX:Cress |
| Start | 10034 | End | 10965 |
| GI | none | Score | 129 |
| Exons | 10034..10360, 10055..10270, 10101..10361, 10358..10381, 10481..10708, 10486..10710, 10809..10928, 10810..10965 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o1.tw | Method | TBLASTX:Wheat |
| Start | 10061 | End | 76202 |
| GI | none | Score | 151 |
| Exons | 10061..10270, 10067..10381, 10101..10382, 10486..10686, 10486..10710, 10499..10699, 10812..10928, 10818..10928, 10819..10932, 16221..16325, 16374..16418, 16411..16449, 76077..76202 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o10.tm | Method | TBLASTX:Maize |
| Start | 12097 | End | 12625 |
| GI | none | Score | 198 |
| Exons | 12097..12435, 12132..12416, 12491..12625 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 20131 | End | 22825 |
| GI | none | Score | 54 |
| Exons | 20131..20169, 20251..20436, 20273..20437, 20512..20586, 20513..20587, 20587..20703, 20588..20692, 21956..22237, 21963..22244, 22320..22454, 22349..22450, 22540..22668, 22541..22657, 22736..22825 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o2.tc | Method | TBLASTX:Cress |
| Start | 20131 | End | 22827 |
| GI | none | Score | 56 |
| Exons | 20131..20169, 20251..20436, 20271..20417, 20273..20437, 20382..20438, 20510..20692, 20512..20703, 20513..20692, 21956..22243, 21963..22244, 22329..22454, 22349..22450, 22541..22657, 22543..22668, 22735..22827, 22736..22825 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o2.tm | Method | TBLASTX:Maize |
| Start | 20131 | End | 22825 |
| GI | none | Score | 53 |
| Exons | 20131..20169, 20251..20436, 20273..20437, 20512..20703, 20513..20692, 21956..22243, 21963..22244, 22320..22454, 22349..22450, 22541..22657, 22543..22692, 22736..22825 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o2.tw | Method | TBLASTX:Wheat |
| Start | 20131 | End | 22825 |
| GI | none | Score | 53 |
| Exons | 20131..20169, 20251..20436, 20273..20437, 20512..20703, 20513..20692, 21952..22047, 21953..22051, 21956..22243, 21963..22244, 22320..22454, 22349..22450, 22541..22657, 22543..22692, 22736..22825 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o5.ts | Method | TBLASTX:Soybean |
| Start | 23843 | End | 26343 |
| GI | none | Score | 78 |
| Exons | 23843..24043, 23955..24047, 23990..24049, 24245..24373, 24255..24374, 24256..24381, 24257..24382, 24335..24589, 24383..24556, 24388..24564, 24826..24930, 25046..25261, 25698..25772, 25806..25886, 25807..25887, 26130..26219, 26135..26218, 26288..26341, 26293..26343 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o7.tc | Method | TBLASTX:Cress |
| Start | 23843 | End | 24043 |
| GI | none | Score | 210 |

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|---|---|---|---|
| Exons | 23843..24043 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o6.tm | Method | TBLASTX:Maize |
| Start | 23897 | End | 24564 |
| GI | none | Score | 77 |
| Exons | 23897..24043, 23906..24046, 23928..24059, 24218..24361, 24248..24382, 24252..24368, 24253..24423, 24253..24381, 24379..24564, 24395..24562 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o6.tc | Method | TBLASTX:Cress |
| Start | 24256 | End | 25156 |
| GI | none | Score | 91 |
| Exons | 24256..24357, 24379..24585, 24443..24583, 24841..24930, 25070..25156 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o8.tm | Method | TBLASTX:Maize |
| Start | 26945 | End | 27105 |
| GI | none | Score | 199 |
| Exons | 26945..27076, 26950..27105 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o4.tc | Method | TBLASTX:Cress |
| Start | 30106 | End | 30412 |
| GI | none | Score | 174 |
| Exons | 30106..30246, 30144..30242, 30325..30369, 30326..30412 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o6.ts | Method | TBLASTX:Soybean |
| Start | 30106 | End | 30415 |
| GI | none | Score | 171 |
| Exons | 30106..30246, 30159..30242, 30326..30415 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o5.tc | Method | TBLASTX:Cress |
| Start | 52232 | End | 52594 |
| GI | none | Score | 159 |
| Exons | 52232..52477, 52233..52457, 52454..52594 | | |
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o7.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 52305 | End | 52594 |
| GI | none | Score | 150 |
| Exons | 52305..52493, 52307..52492, 52454..52594 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o4.tm | Method | TBLASTX:Maize |
| Start | 52952 | End | 58421 |
| GI | none | Score | 113 |
| Exons | 52952..53068, 53002..53073, 53202..53267, 53203..53271, 53203..53271, 53654..53755, 53656..53754, 53670..53759, 53839..53916, 53840..53890, 53842..53928, 54024..54092, 54024..54086, 54029..54088, 54147..54248, 54174..54248, 54181..54255, 54190..54249, 54324..54425, 54324..54422, 54326..54424, 54707..54802, 54731..54772, 55199..55423, 55202..55420, 55204..55422, 55641..55745, 55648..55746, 55649..55747, 56150..56251, 56151..56252, 56153..56254, 56357..56581, 56449..56592, 56450..56623, 56672..56785, 56679..56786, 57275..57403, 57276..57407, 57307..57414, 57308..57415, 57480..57584, 57482..57586, 57489..57536, 57535..57585, 58147..58245, 58150..58257, 58154..58285, 58158..58286, 58326..58412, 58328..58420, 58329..58421 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o3.tc | Method | TBLASTX:Cress |
| Start | 53002 | End | 58508 |
| GI | none | Score | 93 |
| Exons | 53002..53073, 53003..53068, 53203..53271, 53654..53755, 53656..53739, 53670..53759, 53836..53922, 53842..53928, 54024..54092, 54035..54088, 54190..54255, 54195..54248, 54324..54425, 54326..54424, 55197..55421, 55199..55423, 55202..55420, 55207..55422, 55648..55743, 55649..55747, 56151..56252, 56152..56328, 56157..56231, 56162..56251, 56446..56571, 56449..56586, 56450..56623, 56672..56785, 56679..56786, 56694..56798, 57273..57404, 57275..57406, 57308..57406, 57480..57584, 57482..57586, 58126..58257, 58154..58285, 58326..58508, 58331..58468 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o4.ts | Method | TBLASTX:Soybean |
| Start | 53003 | End | 58415 |
| GI | none | Score | 100 |
| Exons | 53003..53068, 53014..53067, 53202..53267, 53203..53271, 53654..53755, 53670..53759, 53839..53910, 53842..53928, 54024..54092, 54035..54088, 54175..54246, 54190..54255, 54195..54248, 54324..54425, 54325..54423, 54326..54424, 54697..54735, 54731..54772, 55199..55423, 55207..55422, 55648..55737, 55649..55747, 56151..56252, 56157..56243, 56161..56250, 56162..56254, 56162..56251, 56449..56586, 56450..56587, 56672..56785, 56679..56786, 56694..56810, 56696..56803, 57281..57406, 57307..57405, 57307..57414, 57308..57415, 57480..57584, 57482..57586, 58126..58257, | | |

58150..58245, 58154..58285, 58326..58415, 58331..58411

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o7.tw | Method | TBLASTX:Wheat |
| Start | 56507 | End | 57586 |
| GI | none | Score | 58 |
| Exons | 56507..56557, 56557..56592, 56558..56587, 56672..56785, 56679..56786, 56685..56786, 57273..57404, 57278..57406, 57307..57408, 57308..57406, 57480..57584, 57480..57533, 57482..57586, 57482..57586 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o8.tc | Method | TBLASTX:Cress |
| Start | 60551 | End | 71092 |
| GI | none | Score | 88 |
| Exons | 60551..60703, 60610..60702, 60793..60909, 60794..60901, 61208..61324, 61331..61375, 70677..70733, 70827..70946, 70831..70947, 71018..71092, 71026..71091 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o3.tm | Method | TBLASTX:Maize |
| Start | 60618 | End | 71641 |
| GI | none | Score | 75 |
| Exons | 60618..60650, 60646..60702, 60647..60703, 60788..60868, 60793..60909, 60794..60901, 61250..61447, 61255..61443, 61268..61456, 61380..61460, 61696..61839, 61700..61840, 61856..61900, 61889..61933, 61907..62020, 61915..62028, 61918..62016, 70673..70711, 70674..70733, 70827..70949, 70831..70947, 71018..71221, 71041..71220, 71333..71452, 71333..71434, 71335..71451, 71446..71637, 71447..71641 | | |

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o3.ts | Method | TBLASTX:Soybean |
| Start | 60640 | End | 71647 |
| GI | none | Score | 78 |
| Exons | 60640..60702, 60641..60703, 60793..60909, 60794..60901, 61247..61324, 61252..61323, 61349..61447, 61351..61422, 61696..61932, 61700..61966, 61930..62019, 61931..62020, 70677..70733, 70827..70946, 70831..70947, 71018..71092, 71026..71091, 71117..71215, 71215..71271, 71336..71512, 71341..71493, 71513..71554, 71527..71646, 71549..71647 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o6.tw | Method | TBLASTX:Wheat |
| Start | 61348 | End | 71641 |
| GI | none | Score | 105 |
| Exons | 61348..61437, 61349..61447, 61349..61447, 61696..61818, | | |

61700..61843, 61823..62020, 61847..62026, 71117..71221,
71119..71226, 71333..71452, 71345..71431, 71435..71509,
71452..71508, 71522..71641, 71530..71592

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| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o9.tc | Method | TBLASTX:Cress |
| Start | 76812 | End | 77312 |
| GI | none | Score | 56 |
| Exons | 76812..76895, 76974..77054, 77094..77312 | | |

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|---|---|---|---|
| Seq. No. | 7610 | Seq. ID | OJ990331_10.9A01.C5 |
| Gene No. | 16079 | Strand | - |
| Start | 87397 | End | 87772 |
| Name | OJ990331_10.9A01.C5.o20.gs | Method | GENSCAN |
| Start | 87397 | End | 87772 |
| GI | none | Score | .96 |
| Exons | 87397..87552, 87695..87772 | | |

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|---|---|---|---|
| Seq. No. | 7611 | Seq. ID | OJ990331_10.9A01.C8 |
| Gene No. | 16080 | Strand | - |
| Start | 306 | End | 551 |
| Name | OJ990331_10.9A01.C8.o1.gs | Method | GENSCAN |
| Start | 306 | End | 551 |
| GI | none | Score | .81 |
| Exons | 306..551 | | |

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|---|---|---|---|
| Seq. No. | 7612 | Seq. ID | OJ990831_15.9A22.C1 |
| Gene No. | 16081 | Strand | - |
| Start | 92 | End | 429 |
| Name | OJ990831_15.9A22.C1.o1.gs | Method | GENSCAN |
| Start | 92 | End | 429 |
| GI | none | Score | .97 |
| Exons | 92..429 | | |

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|---|---|---|---|
| Seq. No. | 7613 | Seq. ID | OJ990831_15.9A22.C3 |
| Gene No. | 16082 | Strand | + |
| Start | 262 | End | 304 |
| Name | OJ990831_15.9A22.C3.o1.gs | Method | GENSCAN |
| Start | 262 | End | 304 |
| GI | none | Score | .7 |
| Exons | 262..304 | | |

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|---|---|---|---|
| Seq. No. | 7614 | Seq. ID | OJ990831_15.9A22.C5 |
| Gene No. | 16083 | Strand | - |
| Start | 1 | End | 822 |
| Name | OJ990831_15.9A22.C5.o1.np | Method | AAT/NAP |
| Start | 1 | End | 822 |
| GI | 6468008 | Score | 222 |
| Exons | 1..24, 487..587, 664..822 | | |
| GI Descrip. | (AF200972) sulfite oxidase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7614 | Seq. ID | OJ990831_15.9A22.C5 |
| Gene No. | 16083 | Strand | - |
| Start | 1 | End | 822 |
| Name | OJ990831_15.9A22.C5.o1.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 484 | End | 738 |
| GI | none | Score | 92 |
| Exons | 484..555, 484..555, 485..562, 554..583, 555..587, 556..588, 657..737, 664..738, 664..738 | | |

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|---|---|---|---|
| Seq. No. | 7614 | Seq. ID | OJ990831_15.9A22.C5 |
| Gene No. | 16083 | Strand | - |
| Start | 1 | End | 822 |
| Name | OJ990831_15.9A22.C5.o1.gp | Method | AAT/GAP |
| Start | 487 | End | 783 |
| GI | 31922_1.R1084 | Score | 356 |
| Exons | 487..587, 664..783 | | |
| GI Descrip. | '6091746/gb\|AAF03458.1\|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7614 | Seq. ID | OJ990831_15.9A22.C5 |
| Gene No. | 16083 | Strand | - |
| Start | 1 | End | 822 |
| Name | OJ990831_15.9A22.C5.o1.ts | Method | TBLASTX:Soybean |
| Start | 487 | End | 784 |
| GI | none | Score | 62 |
| Exons | 487..555, 488..562, 555..587, 556..588, 664..783, 701..784 | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16084 | Strand | + |
| Start | 237 | End | 872 |
| Name | OJ990831_15.9A22.C6.o1.gs | Method | GENSCAN |
| Start | 237 | End | 872 |
| GI | none | Score | .97 |
| Exons | 237..338, 804..872 | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16085 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990831_15.9A22.C6.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 511 |
| GI | 31922_1.R1084 | Score | 443 |
| Exons | 1..46, 136..172, 250..312, 396..511 | | |
| GI Descrip. | '6091746/gb\|AAF03458.1\|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16085 | Strand | - |
| Start | 1 | End | 1013 |
| Name | OJ990831_15.9A22.C6.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1013 |
| GI | 6091746 | Score | 222 |
| Exons | 1..46, 136..172, 250..312, 396..515, 942..1013 | | |
| GI Descrip. | (AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi\|6513940\|gb\|AAF14844.1\|AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16086 | Strand | - |
| Start | 1080 | End | 1283 |
| Name | OJ990831_15.9A22.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 2 | End | 514 |

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|---|---|---|---|
| GI | none | Score | 62 |
| Exons | 2..67, 3..47, 136..174, 143..169, 249..326, 389..514, 402..512, 427..513 | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16086 | Strand | - |
| Start | 1080 | End | 1283 |
| Name | OJ990831_15.9A22.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 2 | End | 514 |
| GI | none | Score | 47 |
| Exons | 2..67, 3..47, 137..172, 140..172, 252..320, 389..514, 408..512 | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16086 | Strand | - |
| Start | 1080 | End | 1283 |
| Name | OJ990831_15.9A22.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 2 | End | 518 |
| GI | none | Score | 87 |
| Exons | 2..73, 2..67, 136..171, 137..169, 241..315, 242..319, 249..314, 252..320, 393..467, 395..514, 396..518 | | |

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|---|---|---|---|
| Seq. No. | 7615 | Seq. ID | OJ990831_15.9A22.C6 |
| Gene No. | 16086 | Strand | - |
| Start | 1080 | End | 1283 |
| Name | OJ990831_15.9A22.C6.o2.gs | Method | GENSCAN |
| Start | 1080 | End | 1283 |
| GI | none | Score | .88 |
| Exons | 1080..1283 | | |

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|---|---|---|---|
| Seq. No. | 7616 | Seq. ID | OJ990831_15.9A22.C7 |
| Gene No. | 16087 | Strand | + |
| Start | 135 | End | 242 |
| Name | OJ990831_15.9A22.C7.o1.gs | Method | GENSCAN |
| Start | 135 | End | 242 |
| GI | none | Score | .71 |
| Exons | 135..242 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16088 | Strand | + |
| Start | 4528 | End | 5736 |
| Name | OJ990831_15.9A22.C9.o2.gs | Method | GENSCAN |
| Start | 4528 | End | 5736 |
| GI | none | Score | 1 |
| Exons | 4528..5736 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16088 | Strand | + |
| Start | 4528 | End | 5736 |
| Name | OJ990831_15.9A22.C9.o2.np | Method | AAT/NAP |
| Start | 4528 | End | 5733 |
| GI | 1196998 | Score | 2114 |
| Exons | 4528..5733 | | |
| GI Descrip. | (J01829) unknown protein [Transposon Tn10] gi\|5103202\|dbj\|BAA78838.1\| (AP000342) transposase of Tn10 [Plasmid R100] gi\|5706382\|dbj\|BAA83097.1\| (AB026428) transposase [Methylomonas aminofaciens] gi\|5738092\|gb\|AAD50250.1\|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] | | |

gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16089 | Strand | - |
| Start | 1533 | End | 4252 |
| Name | OJ990831_15.9A22.C9.o1.np | Method | AAT/NAP |
| Start | 479 | End | 3121 |
| GI | 4406788 | Score | 625 |
| Exons | 479..547, 1539..2021, 2766..3121 | | |
| GI Descrip. | (AC006532) unknown protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16089 | Strand | - |
| Start | 1533 | End | 4252 |
| Name | OJ990831_15.9A22.C9.o1.gs | Method | GENSCAN |
| Start | 1533 | End | 4252 |
| GI | none | Score | .6 |
| Exons | 1533..2021, 2766..3137, 4106..4252 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 1579 | End | 1991 |
| GI | none | Score | 113 |
| Exons | 1579..1755, 1605..1760, 1857..1991 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o2.tw | Method | TBLASTX:Wheat |
| Start | 2904 | End | 3132 |
| GI | none | Score | 98 |
| Exons | 2904..3023, 2904..3119, 2905..3132 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 2928 | End | 3119 |
| GI | none | Score | 185 |
| Exons | 2928..3119 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 2949 | End | 3120 |
| GI | none | Score | 65 |
| Exons | 2949..3020, 2949..3110, 2950..3120 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.tc | Method | TBLASTX:Cress |
| Start | 4420 | End | 4568 |

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|---|---|---|---|
| GI | none | Score | 224 |
| Exons | 4420..4566, 4421..4567, 4422..4568 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.gs | Method | GENSCAN |
| Start | 6733 | End | 13779 |
| GI | none | Score | .78 |
| Exons | 6733..6761, 6949..6984, 7180..7511, 8741..8849, 9154..9256, 9460..9645, 9737..9830, 10262..10322, 11210..11270, 11383..11466, 11550..11744, 11870..11949, 12054..12150, 12717..12835, 12939..13008, 13732..13779 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o2.gp | Method | AAT/GAP |
| Start | 8779 | End | 9626 |
| GI | 17201_1.R1084 | Score | 1206 |
| Exons | 8779..9286, 9377..9459, 9573..9626 | | |
| GI Descrip. | '4704662/gb\|AAD28199.1\|AF116860_1 1.0e-36 (AF116860) uracil phosphoribosyltransferase 1 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 9107 | End | 9597 |
| GI | none | Score | 118 |
| Exons | 9107..9184, 9167..9286, 9168..9287, 9377..9463, 9568..9597 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.np | Method | AAT/NAP |
| Start | 9140 | End | 13974 |
| GI | 3953458 | Score | 1378 |
| Exons | 9140..9286, 9377..9459, 9573..9830, 10262..10322, 11210..11270, 11383..11466, 11550..11744, 11870..12150, 12717..12835, 12939..13008, 13732..13830, 13910..13974 | | |
| GI Descrip. | (AC002328) F20N2.3 [Arabidopsis thaliana] | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 9146 | End | 9833 |
| GI | none | Score | 148 |
| Exons | 9146..9286, 9147..9287, 9377..9463, 9380..9463, 9568..9648, 9572..9634, 9734..9832, 9735..9833, 9738..9833 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 9146 | End | 9418 |

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|---|---|---|---|
| GI | none | Score | 146 |
| Exons | 9146..9286, 9147..9287, 9377..9418 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 9219 | End | 9831 |
| GI | none | Score | 98 |
| Exons | 9219..9287, 9220..9288, 9221..9286, 9377..9463, 9378..9464, 9568..9648, 9569..9646, 9571..9648, 9729..9770, 9738..9791, 9739..9792, 9789..9830, 9790..9831 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 9600 | End | 12141 |
| GI | none | Score | 107 |
| Exons | 9600..9632, 9759..9833, 9760..9831, 9760..9837, 10254..10316, 10262..10324, 10264..10323, 11184..11270, 11208..11270, 11209..11271, 11363..11467, 11380..11469, 11380..11511, 11529..11744, 11530..11820, 11549..11746, 11864..11911, 11871..11951, 11872..11952, 11872..11943, 12034..12141, 12058..12141 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 9604 | End | 13797 |
| GI | none | Score | 83 |
| Exons | 9604..9648, 9729..9836, 9734..9832, 9739..9837, 10262..10324, 10264..10323, 11184..11270, 11209..11271, 11363..11467, 11380..11511, 11529..11744, 11539..11838, 11570..11764, 11870..11911, 11871..11939, 12055..12159, 12055..12159, 12697..12849, 12714..12851, 12929..13009, 12934..13041, 13732..13797 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o3.gp | Method | AAT/GAP |
| Start | 11361 | End | 12150 |
| GI | uC-osrocyp002d06b1 | Score | 792 |
| Exons | 11361..11466, 11550..11744, 11870..11949, 12054..12150 | | |
| GI Descrip. | '3953458 4.0e-42 (AC002328) F20N2.3 [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 11437 | End | 11951 |
| GI | none | Score | 51 |
| Exons | 11437..11511, 11438..11467, 11529..11744, 11546..11659, 11546..11746, 11554..11751, 11870..11911, 11874..11951 | | |

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|---|---|---|---|
| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 12697 | End | 13936 |
| GI | none | Score | 171 |
| Exons | 12697..12849, 12714..12851, 12929..13009, 12934..13041, 13724..13798, 13732..13797, 13772..13813, 13913..13936 | | |

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| Seq. No. | 7617 | Seq. ID | OJ990831_15.9A22.C9 |
| Gene No. | 16090 | Strand | - |
| Start | 6733 | End | 13974 |
| Name | OJ990831_15.9A22.C9.o4.gp | Method | AAT/GAP |
| Start | 12919 | End | 13974 |
| GI | uC-osrocyp006f12b1 | Score | 381 |
| Exons | 12919..13008, 13732..13823, 13915..13974 | | |
| GI Descrip. | '3953458 8.0e-22 (AC002328) F20N2.3 [Arabidopsis thaliana]' | | |

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| Seq. No. | 7618 | Seq. ID | OJ990831_15.9A22.C10 |
| Gene No. | 16091 | Strand | + |
| Start | 4186 | End | 12175 |
| Name | OJ990831_15.9A22.C10.o2.np | Method | AAT/NAP |
| Start | 4186 | End | 10066 |
| GI | 4585908 | Score | 399 |
| Exons | 4186..4281, 5494..5541, 5649..5774, 8308..8448, 8694..8804, 8924..9037, 9523..9618, 9726..10066 | | |
| GI Descrip. | (AC006298) putative lysosomal acid lipase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7618 | Seq. ID | OJ990831_15.9A22.C10 |
| Gene No. | 16091 | Strand | + |
| Start | 4186 | End | 12175 |
| Name | OJ990831_15.9A22.C10.o2.gs | Method | GENSCAN |
| Start | 5350 | End | 12175 |
| GI | none | Score | .52 |
| Exons | 5350..5586, 5649..5774, 8308..8448, 8694..8804, 8924..9067, 9193..9326, 9351..9430, 9523..9618, 9726..10024, 10564..10663, 10701..10803, 10980..11152, 12027..12175 | | |

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|---|---|---|---|
| Seq. No. | 7618 | Seq. ID | OJ990831_15.9A22.C10 |
| Gene No. | 16092 | Strand | - |
| Start | 3858 | End | 3959 |
| Name | OJ990831_15.9A22.C10.o1.np | Method | AAT/NAP |
| Start | 3858 | End | 3959 |
| GI | 133404 | Score | 103 |
| Exons | 3858..3959 | | |
| GI Descrip. | DNA-DIRECTED RNA POLYMERASE ALPHA CHAIN gi\|66963\|pir\|\|RNRZA DNA-directed RNA polymerase (EC 2.7.7.6) alpha chain - rice chloroplast gi\|12018\|emb\|CAA33979\| (X15901) RNA polymerase alpha subunit [Oryza sativa] gi\|226639\|prf\|\|1603356BN RNA polymerase alpha [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7618 | Seq. ID | OJ990831_15.9A22.C10 |
| Gene No. | 16093 | Strand | |
| Start | 5518 | End | 8747 |
| Name | OJ990831_15.9A22.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 5518 | End | 8747 |
| GI | none | Score | 45 |

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| Exons | 5518..5544, 5646..5684, 5742..5786, 8307..8444, 8308..8448, 8685..8747 | | |
| Seq. No. | 7619 | Seq. ID | OJ990831_15.9A22.C11 |
| Gene No. | 16094 | Strand | + |
| Start | 265 | End | 567 |
| Name | OJ990831_15.9A22.C11.o1.gs | Method | GENSCAN |
| Start | 265 | End | 567 |
| GI | none | Score | .44 |
| Exons | 265..567 | | |
| Seq. No. | 7620 | Seq. ID | OJ990831_15.9A22.C12 |
| Gene No. | 16095 | Strand | + |
| Start | 3981 | End | 4140 |
| Name | OJ990831_15.9A22.C12.o3.np | Method | AAT/NAP |
| Start | 3981 | End | 4140 |
| GI | 5852172 | Score | 78 |
| Exons | 3981..4140 | | |
| GI Descrip. | (AL117265) zhb0002.1 [Oryza sativa] | | |
| Seq. No. | 7620 | Seq. ID | OJ990831_15.9A22.C12 |
| Gene No. | 16096 | Strand | - |
| Start | 536 | End | 6375 |
| Name | OJ990831_15.9A22.C12.o1.gs | Method | GENSCAN |
| Start | 536 | End | 6370 |
| GI | none | Score | .51 |
| Exons | 536..592, 2441..2642, 2653..3254, 3370..3499, 4051..4091, 4112..4188, 5350..5427, 5915..6323, 6347..6370 | | |
| Seq. No. | 7620 | Seq. ID | OJ990831_15.9A22.C12 |
| Gene No. | 16096 | Strand | - |
| Start | 536 | End | 6375 |
| Name | OJ990831_15.9A22.C12.o1.np | Method | AAT/NAP |
| Start | 898 | End | 3249 |
| GI | 5295968 | Score | 267 |
| Exons | 898..1016, 1284..1311, 1449..1574, 2057..2137, 2223..2307, 2441..2621, 3138..3249 | | |
| GI Descrip. | (AB026295) ESTs C19441(E10423),C99201(E10423) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7620 | Seq. ID | OJ990831_15.9A22.C12 |
| Gene No. | 16096 | Strand | - |
| Start | 536 | End | 6375 |
| Name | OJ990831_15.9A22.C12.o2.np | Method | AAT/NAP |
| Start | 2336 | End | 6221 |
| GI | 5032119 | Score | 106 |
| Exons | 2336..2497, 2554..3227, 5958..6221 | | |
| GI Descrip. | Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) gi\|3005587 (AF048977) Ser/Arg-related nuclear matrix protein [Homo sapiens] | | |
| Seq. No. | 7620 | Seq. ID | OJ990831_15.9A22.C12 |
| Gene No. | 16096 | Strand | - |
| Start | 536 | End | 6375 |
| Name | OJ990831_15.9A22.C12.o4.np | Method | AAT/NAP |
| Start | 5766 | End | 6375 |

| | | | |
|---|---|---|---|
| GI | 6721559 | Score | 201 |
| Exons | 5766..6375 | | |
| GI Descrip. | (AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa] | | |
| Seq. No. | 7621 | Seq. ID | OJ990831_15.9A22.C13 |
| Gene No. | 16097 | Strand | + |
| Start | 1 | End | 3266 |
| Name | OJ990831_15.9A22.C13.o1.np | Method | AAT/NAP |
| Start | 1 | End | 3266 |
| GI | 81286 | Score | 181 |
| Exons | 1..115, 2346..2450, 2613..2677, 2813..3266 | | |
| GI Descrip. | extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri] | | |
| Seq. No. | 7621 | Seq. ID | OJ990831_15.9A22.C13 |
| Gene No. | 16098 | Strand | - |
| Start | 55 | End | 158 |
| Name | OJ990831_15.9A22.C13.o1.gs | Method | GENSCAN |
| Start | 55 | End | 158 |
| GI | none | Score | .97 |
| Exons | 55..158 | | |
| Seq. No. | 7622 | Seq. ID | OJ990831_15.9A22.C14 |
| Gene No. | 16099 | Strand | - |
| Start | 63 | End | 281 |
| Name | OJ990831_15.9A22.C14.o1.gp | Method | AAT/GAP |
| Start | 63 | End | 281 |
| GI | 2311471 | Score | 373 |
| Exons | 63..281 | | |
| Seq. No. | 7622 | Seq. ID | OJ990831_15.9A22.C14 |
| Gene No. | 16099 | Strand | - |
| Start | 63 | End | 281 |
| Name | OJ990831_15.9A22.C14.o1.gs | Method | GENSCAN |
| Start | 63 | End | 271 |
| GI | none | Score | .5 |
| Exons | 63..271 | | |
| Seq. No. | 7623 | Seq. ID | OJ990831_15.9A22.C15 |
| Gene No. | 16100 | Strand | - |
| Start | 289 | End | 657 |
| Name | OJ990831_15.9A22.C15.o1.gs | Method | GENSCAN |
| Start | 289 | End | 657 |
| GI | none | Score | .52 |
| Exons | 289..393, 544..657 | | |
| Seq. No. | 7624 | Seq. ID | OJ990831_15.9A22.C16 |
| Gene No. | 16101 | Strand | + |
| Start | 42 | End | 1738 |
| Name | OJ990831_15.9A22.C16.o1.gs | Method | GENSCAN |
| Start | 42 | End | 1738 |
| GI | none | Score | .74 |
| Exons | 42..146, 1509..1738 | | |
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |

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|---|---|---|---|
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1109 |
| GI | 100226 | Score | 563 |
| Exons | 1..1109 | | |
| GI Descrip. | hypothetical protein - tomato gi\|19275\|emb\|CAA78112\| (Z12127) protein of unknown function [Lycopersicon esculentum] gi\|445619\|prf\|\|1909366A Leu zipper protein [Lycopersicon esculentum] | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 769 |
| GI | none | Score | 295 |
| Exons | 1..423, 2..421, 497..634, 653..769 | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.ts | Method | TBLASTX:Soybean |
| Start | 50 | End | 610 |
| GI | none | Score | 112 |
| Exons | 50..211, 52..186, 218..421, 232..366, 497..610 | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.gs | Method | GENSCAN |
| Start | 162 | End | 1098 |
| GI | none | Score | .54 |
| Exons | 162..1098 | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.tc | Method | TBLASTX:Cress |
| Start | 182 | End | 955 |
| GI | none | Score | 98 |
| Exons | 182..421, 497..625, 653..775, 824..955, 824..925 | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o1.tw | Method | TBLASTX:Wheat |
| Start | 515 | End | 913 |
| GI | none | Score | 99 |
| Exons | 515..634, 653..769, 812..913 | | |

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|---|---|---|---|
| Seq. No. | 7625 | Seq. ID | OJ990831_15.9A22.C17 |
| Gene No. | 16102 | Strand | + |
| Start | 1 | End | 1109 |
| Name | OJ990831_15.9A22.C17.o2.ts | Method | TBLASTX:Soybean |
| Start | 833 | End | 1081 |
| GI | none | Score | 169 |

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|---|---|---|---|
| Exons | 833..982, 833..955, 868..957, 1022..1081 | | |
| Seq. No. | 7626 | Seq. ID | OJ990831_15.9A22.C18 |
| Gene No. | 16103 | Strand | + |
| Start | 118 | End | 168 |
| Name | OJ990831_15.9A22.C18.o1.gs | Method | GENSCAN |
| Start | 118 | End | 168 |
| GI | none | Score | .86 |
| Exons | 118..168 | | |
| Seq. No. | 7627 | Seq. ID | OJ990831_15.9A22.C19 |
| Gene No. | 16104 | Strand | + |
| Start | 1676 | End | 2145 |
| Name | OJ990831_15.9A22.C19.o1.gs | Method | GENSCAN |
| Start | 1676 | End | 2141 |
| GI | none | Score | .85 |
| Exons | 1676..1879, 1971..2141 | | |
| Seq. No. | 7627 | Seq. ID | OJ990831_15.9A22.C19 |
| Gene No. | 16104 | Strand | + |
| Start | 1676 | End | 2145 |
| Name | OJ990831_15.9A22.C19.o1.tm | Method | TBLASTX:Maize |
| Start | 1711 | End | 2145 |
| GI | none | Score | 251 |
| Exons | 1711..1782, 1712..1882, 1739..1792, 1963..2031, 1971..2090, 1973..2143, 2016..2141, 2122..2145 | | |
| Seq. No. | 7627 | Seq. ID | OJ990831_15.9A22.C19 |
| Gene No. | 16104 | Strand | + |
| Start | 1676 | End | 2145 |
| Name | OJ990831_15.9A22.C19.o1.ts | Method | TBLASTX:Soybean |
| Start | 1727 | End | 1882 |
| GI | none | Score | 190 |
| Exons | 1727..1882 | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16105 | Strand | + |
| Start | 210 | End | 768 |
| Name | OJ990831_15.9A22.C20.o1.gs | Method | GENSCAN |
| Start | 210 | End | 450 |
| GI | none | Score | .96 |
| Exons | 210..329, 409..450 | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16105 | Strand | + |
| Start | 210 | End | 768 |
| Name | OJ990831_15.9A22.C20.o1.gp | Method | AAT/GAP |
| Start | 224 | End | 768 |
| GI | 4716063 | Score | 864 |
| Exons | 224..329, 409..768 | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16106 | Strand | - |
| Start | 1053 | End | 1353 |
| Name | OJ990831_15.9A22.C20.o2.gp | Method | AAT/GAP |
| Start | 790 | End | 1353 |
| GI | 31922_1.R1084 | Score | 821 |

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|---|---|---|---|
| Exons | 790..1181, 1283..1353 | | |
| GI Descrip. | '6091746/gb\|AAF03458.1\|AC010797_34 1.0e-179 (AC010797) putative sulfite oxidase [Arabidopsis thaliana]' | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16106 | Strand | - |
| Start | 1053 | End | 1353 |
| Name | OJ990831_15.9A22.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 1050 | End | 1352 |
| GI | none | Score | 140 |
| Exons | 1050..1190, 1065..1181, 1280..1351, 1281..1352 | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16106 | Strand | - |
| Start | 1053 | End | 1353 |
| Name | OJ990831_15.9A22.C20.o2.gs | Method | GENSCAN |
| Start | 1053 | End | 1181 |
| GI | none | Score | .98 |
| Exons | 1053..1181 | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16106 | Strand | - |
| Start | 1053 | End | 1353 |
| Name | OJ990831_15.9A22.C20.o1.np | Method | AAT/NAP |
| Start | 1056 | End | 1353 |
| GI | 6091746 | Score | 181 |
| Exons | 1056..1181, 1283..1353 | | |
| GI Descrip. | (AC010797) putative sulfite oxidase [Arabidopsis thaliana] gi\|6513940\|gb\|AAF14844.1\|AC011664_26 (AC011664) sulfite oxidase (SOX) [Arabidopsis thaliana] | | |
| Seq. No. | 7628 | Seq. ID | OJ990831_15.9A22.C20 |
| Gene No. | 16106 | Strand | - |
| Start | 1053 | End | 1353 |
| Name | OJ990831_15.9A22.C20.o1.ts | Method | TBLASTX:Soybean |
| Start | 1080 | End | 1351 |
| GI | none | Score | 77 |
| Exons | 1080..1187, 1086..1187, 1087..1191, 1280..1348, 1280..1351 | | |
| Seq. No. | 7629 | Seq. ID | OJ990831_15.9A22.C22 |
| Gene No. | 16107 | Strand | + |
| Start | 302 | End | 620 |
| Name | OJ990831_15.9A22.C22.o1.gs | Method | GENSCAN |
| Start | 302 | End | 620 |
| GI | none | Score | .45 |
| Exons | 302..376, 540..620 | | |
| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16108 | Strand | + |
| Start | 5944 | End | 10993 |
| Name | OJ990831_15.9A22.C23.o2.gs | Method | GENSCAN |
| Start | 5944 | End | 10993 |
| GI | none | Score | .69 |
| Exons | 5944..6103, 6648..6889, 8199..8304, 8394..8490, 8582..8853, 9364..9491, 10424..10495, 10928..10993 | | |
| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |

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|---|---|---|---|
| Gene No. | 16109 | Strand | - |
| Start | 584 | End | 3661 |
| Name | OJ990831_15.9A22.C23.o1.gp | Method | AAT/GAP |
| Start | 416 | End | 997 |
| GI | 3107271 | Score | 554 |
| Exons | 416..661, 943..997 | | |

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|---|---|---|---|
| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16109 | Strand | - |
| Start | 584 | End | 3661 |
| Name | OJ990831_15.9A22.C23.o1.gs | Method | GENSCAN |
| Start | 584 | End | 3661 |
| GI | none | Score | .6 |
| Exons | 584..661, 1588..1657, 2028..2191, 2270..2392, 3216..3337, 3367..3661 | | |

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|---|---|---|---|
| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16109 | Strand | - |
| Start | 584 | End | 3661 |
| Name | OJ990831_15.9A22.C23.o1.np | Method | AAT/NAP |
| Start | 587 | End | 3661 |
| GI | 6091731 | Score | 602 |
| Exons | 587..661, 943..1040, 1588..1657, 2028..2191, 2270..2392, 2619..2697, 3216..3333, 3457..3661 | | |
| GI Descrip. | (AC010797) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16109 | Strand | - |
| Start | 584 | End | 3661 |
| Name | OJ990831_15.9A22.C23.o1.tm | Method | TBLASTX:Maize |
| Start | 2063 | End | 3553 |
| GI | none | Score | 173 |
| Exons | 2063..2200, 2064..2189, 2077..2199, 2270..2395, 2271..2393, 2523..2555, 2643..2696, 2646..2702, 3209..3322, 3216..3338, 3280..3339, 3455..3553, 3456..3545 | | |

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| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16110 | Strand | |
| Start | 5917 | End | 6715 |
| Name | OJ990831_15.9A22.C23.o2.tm | Method | TBLASTX:Maize |
| Start | 5917 | End | 6715 |
| GI | none | Score | 280 |
| Exons | 5917..6024, 5945..6106, 6627..6713, 6634..6714, 6640..6714, 6641..6715 | | |

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|---|---|---|---|
| Seq. No. | 7630 | Seq. ID | OJ990831_15.9A22.C23 |
| Gene No. | 16111 | Strand | |
| Start | 11103 | End | 11210 |
| Name | OJ990831_15.9A22.C23.o3.tm | Method | TBLASTX:Maize |
| Start | 11103 | End | 11210 |
| GI | none | Score | 112 |
| Exons | 11103..11207, 11103..11210, 11104..11208 | | |

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|---|---|---|---|
| Seq. No. | 7631 | Seq. ID | OJ990831_15.9A22.C24 |
| Gene No. | 16112 | Strand | - |
| Start | 997 | End | 1466 |
| Name | OJ990831_15.9A22.C24.o1.tm | Method | TBLASTX:Maize |

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|---|---|---|---|
| Start | 923 | End | 1466 |
| GI | none | Score | 35 |
| Exons | 923..940, 987..1037, 988..1032, 1035..1316, 1036..1317, 1042..1317, 1044..1322, 1400..1456, 1401..1466 | | |

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|---|---|---|---|
| Seq. No. | 7631 | Seq. ID | OJ990831_15.9A22.C24 |
| Gene No. | 16112 | Strand | - |
| Start | 997 | End | 1466 |
| Name | OJ990831_15.9A22.C24.o1.gs | Method | GENSCAN |
| Start | 997 | End | 1457 |
| GI | none | Score | .55 |
| Exons | 997..1317, 1398..1457 | | |

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|---|---|---|---|
| Seq. No. | 7632 | Seq. ID | OJ990831_15.9A22.C25 |
| Gene No. | 16113 | Strand | - |
| Start | 725 | End | 1133 |
| Name | OJ990831_15.9A22.C25.o1.ts | Method | TBLASTX:Soybean |
| Start | 661 | End | 1073 |
| GI | none | Score | 84 |
| Exons | 661..690, 810..914, 811..903, 964..1035, 971..1036, 971..1072, 1011..1073 | | |

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|---|---|---|---|
| Seq. No. | 7632 | Seq. ID | OJ990831_15.9A22.C25 |
| Gene No. | 16113 | Strand | - |
| Start | 725 | End | 1133 |
| Name | OJ990831_15.9A22.C25.o1.np | Method | AAT/NAP |
| Start | 725 | End | 1133 |
| GI | 4455199 | Score | 217 |
| Exons | 725..896, 971..1133 | | |
| GI Descrip. | (AL035440) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7632 | Seq. ID | OJ990831_15.9A22.C25 |
| Gene No. | 16113 | Strand | - |
| Start | 725 | End | 1133 |
| Name | OJ990831_15.9A22.C25.o1.tc | Method | TBLASTX:Cress |
| Start | 792 | End | 1126 |
| GI | none | Score | 50 |
| Exons | 792..914, 805..924, 961..1026, 971..1096, 971..1126 | | |

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|---|---|---|---|
| Seq. No. | 7632 | Seq. ID | OJ990831_15.9A22.C25 |
| Gene No. | 16113 | Strand | - |
| Start | 725 | End | 1133 |
| Name | OJ990831_15.9A22.C25.o1.tm | Method | TBLASTX:Maize |
| Start | 792 | End | 1133 |
| GI | none | Score | 66 |
| Exons | 792..914, 811..897, 971..1123, 1014..1133 | | |

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|---|---|---|---|
| Seq. No. | 7632 | Seq. ID | OJ990831_15.9A22.C25 |
| Gene No. | 16113 | Strand | - |
| Start | 725 | End | 1133 |
| Name | OJ990831_15.9A22.C25.o1.gs | Method | GENSCAN |
| Start | 809 | End | 1090 |
| GI | none | Score | .77 |
| Exons | 809..896, 971..1090 | | |

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| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16114 | Strand | + |

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|---|---|---|---|
| Start | 4668 | End | 5270 |
| Name | OJ990831_15.9A22.C26.o1.gp | Method | AAT/GAP |
| Start | 4668 | End | 5270 |
| GI | 4588_1.R1084 | Score | 1123 |
| Exons | 4668..5270 | | |
| GI Descrip. | '4455232/emb\|CAB36731.1\| 4.0e-32 (AL035523) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16115 | Strand | - |
| Start | 1 | End | 1912 |
| Name | OJ990831_15.9A22.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1566 |
| GI | 4455199 | Score | 456 |
| Exons | 1..221, 559..777, 874..1124, 1178..1406, 1495..1566 | | |
| GI Descrip. | (AL035440) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16115 | Strand | - |
| Start | 1 | End | 1912 |
| Name | OJ990831_15.9A22.C26.o1.gs | Method | GENSCAN |
| Start | 559 | End | 1912 |
| GI | none | Score | .68 |
| Exons | 559..777, 874..1119, 1495..1605, 1766..1912 | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o1.tc | Method | TBLASTX:Cress |
| Start | 856 | End | 1404 |
| GI | none | Score | 46 |
| Exons | 856..1098, 1055..1120, 1060..1119, 1206..1328, 1207..1326, 1309..1404, 1313..1399 | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o2.tm | Method | TBLASTX:Maize |
| Start | 973 | End | 1427 |
| GI | none | Score | 61 |
| Exons | 973..1119, 974..1120, 1206..1328, 1386..1427 | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o2.ts | Method | TBLASTX:Soybean |
| Start | 1009 | End | 1580 |
| GI | none | Score | 97 |
| Exons | 1009..1125, 1013..1120, 1203..1328, 1205..1345, 1209..1328, 1386..1418, 1389..1412, 1494..1580 | | |

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|---|---|---|---|
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o1.tm | Method | TBLASTX:Maize |
| Start | 4956 | End | 10363 |
| GI | none | Score | 190 |

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|---|---|---|---|
| Exons | 4956..5168, 4958..5176, 4958..5611, 4974..5582, 6112..6243, 6113..6244, 6337..6543, 6342..6545, 6727..6888, 6761..6889, 7265..7351, 7267..7350, 7835..7873, 7835..7879, 7918..8082, 7919..8065, 8209..8358, 8209..8361, 8243..8362, 8471..8503, 8712..8804, 8714..8806, 8714..8806, 10252..10344, 10256..10363 | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o1.tw | Method | TBLASTX:Wheat |
| Start | 4959 | End | 5150 |
| GI | none | Score | 88 |
| Exons | 4959..5135, 4967..5140, 4967..5140, 4974..5150 | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o1.ts | Method | TBLASTX:Soybean |
| Start | 4961 | End | 10344 |
| GI | none | Score | 70 |
| Exons | 4961..5596, 5036..5155, 5040..5582, 6112..6243, 6113..6244, 6337..6543, 6339..6545, 6727..6897, 6728..6907, 7265..7351, 7273..7350, 7837..7872, 7927..8082, 7928..8056, 8218..8331, 8246..8332, 8712..8804, 8714..8806, 10258..10344 | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o2.gs | Method | GENSCAN |
| Start | 4967 | End | 10410 |
| GI | none | Score | .81 |
| Exons | 4967..5666, 6116..6241, 6337..6542, 6757..6889, 7268..7349, 7851..8082, 8236..8355, 8471..8510, 9862..10019, 10252..10410 | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o2.np | Method | AAT/NAP |
| Start | 4970 | End | 8358 |
| GI | 4455232 | Score | 1664 |
| Exons | 4970..5582, 6116..6241, 6337..6542, 6757..6889, 7856..8082, 8236..8358 | | |
| GI Descrip. | (AL035523) putative protein [Arabidopsis thaliana] | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |
| Name | OJ990831_15.9A22.C26.o2.gp | Method | AAT/GAP |
| Start | 5509 | End | 6483 |
| GI | LIB3433-032-P1-K1-F7 | Score | 593 |
| Exons | 5509..5582, 6116..6241, 6337..6483 | | |
| GI Descrip. | '4455232/emb\|CAB36731.1\| 2.0e-48 (AL035523) putative protein [Arabidopsis thaliana]' | | |
| Seq. No. | 7633 | Seq. ID | OJ990831_15.9A22.C26 |
| Gene No. | 16116 | Strand | - |
| Start | 4967 | End | 10523 |

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|---|---|---|---|
| Name | OJ990831_15.9A22.C26.o3.gp | Method | AAT/GAP |
| Start | 8274 | End | 10523 |
| GI | none | Score | 922 |
| Exons | 8274..8355, 8471..8537, 8712..8803, 10252..10523 | | |

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|---|---|---|---|
| Seq. No. | 7634 | Seq. ID | OJ990831_15.9A22.C27 |
| Gene No. | 16117 | Strand | + |
| Start | 918 | End | 1480 |
| Name | OJ990831_15.9A22.C27.o1.gs | Method | GENSCAN |
| Start | 918 | End | 1480 |
| GI | none | Score | .59 |
| Exons | 918..1108, 1230..1480 | | |

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|---|---|---|---|
| Seq. No. | 7634 | Seq. ID | OJ990831_15.9A22.C27 |
| Gene No. | 16118 | Strand | + |
| Start | 5753 | End | 6141 |
| Name | OJ990831_15.9A22.C27.o2.gp | Method | AAT/GAP |
| Start | 5753 | End | 6141 |
| GI | 2442212 | Score | 617 |
| Exons | 5753..6141 | | |

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|---|---|---|---|
| Seq. No. | 7634 | Seq. ID | OJ990831_15.9A22.C27 |
| Gene No. | 16119 | Strand | - |
| Start | 2482 | End | 4172 |
| Name | OJ990831_15.9A22.C27.o2.gs | Method | GENSCAN |
| Start | 2482 | End | 4064 |
| GI | none | Score | .99 |
| Exons | 2482..2667, 3897..4064 | | |

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|---|---|---|---|
| Seq. No. | 7634 | Seq. ID | OJ990831_15.9A22.C27 |
| Gene No. | 16119 | Strand | - |
| Start | 2482 | End | 4172 |
| Name | OJ990831_15.9A22.C27.o1.gp | Method | AAT/GAP |
| Start | 3889 | End | 4172 |
| GI | none | Score | 405 |
| Exons | 3889..4172 | | |

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|---|---|---|---|
| Seq. No. | 7634 | Seq. ID | OJ990831_15.9A22.C27 |
| Gene No. | 16120 | Strand | - |
| Start | 4972 | End | 6043 |
| Name | OJ990831_15.9A22.C27.o3.gs | Method | GENSCAN |
| Start | 4972 | End | 6043 |
| GI | none | Score | .96 |
| Exons | 4972..5124, 5405..5465, 5736..6043 | | |

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|---|---|---|---|
| Seq. No. | 7635 | Seq. ID | OJ990831_15.9A22.C28 |
| Gene No. | 16121 | Strand | + |
| Start | 129 | End | 211 |
| Name | OJ990831_15.9A22.C28.o1.gs | Method | GENSCAN |
| Start | 129 | End | 211 |
| GI | none | Score | .97 |
| Exons | 129..211 | | |

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|---|---|---|---|
| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 1 | End | 1227 |
| GI | 3914685 | Score | 556 |
| Exons | 1..27, 329..559, 657..759, 830..897, 1198..1227 | | |
| GI Descrip. | 60S RIBOSOMAL PROTEIN L17 gi\|2668748 (AF034948) ribosomal protein L17 [Zea mays] | | |

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|---|---|---|---|
| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.tw | Method | TBLASTX:Wheat |
| Start | 323 | End | 1349 |
| GI | none | Score | 361 |
| Exons | 323..559, 326..562, 328..561, 656..757, 660..758, 677..760, 830..898, 832..918, 1299..1349 | | |

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| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.tc | Method | TBLASTX:Cress |
| Start | 326 | End | 897 |
| GI | none | Score | 351 |
| Exons | 326..562, 328..561, 655..744, 656..757, 660..758, 830..880, 832..870, 832..897 | | |

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|---|---|---|---|
| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.tm | Method | TBLASTX:Maize |
| Start | 326 | End | 940 |
| GI | none | Score | 375 |
| Exons | 326..562, 328..570, 328..561, 656..757, 660..758, 661..759, 661..759, 677..760, 828..851, 832..897, 833..940 | | |

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| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.ts | Method | TBLASTX:Soybean |
| Start | 326 | End | 870 |
| GI | none | Score | 372 |
| Exons | 326..562, 328..561, 656..757, 660..758, 660..758, 831..869, 832..870, 832..870 | | |

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| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.gp | Method | AAT/GAP |
| Start | 327 | End | 1422 |
| GI | 17719_1.R1084 | Score | 1144 |
| Exons | 327..559, 657..759, 830..897, 1198..1422 | | |
| GI Descrip. | '3914685/sp\|O48557\|RL17_MAIZE 9.0e-86 60S RIBOSOMAL PROTEIN L17 >gi_2668748 (AF034948) ribosomal protein L17 [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7636 | Seq. ID | OJ990831_15.9A22.C29 |
| Gene No. | 16122 | Strand | + |
| Start | 1 | End | 1547 |
| Name | OJ990831_15.9A22.C29.o1.gs | Method | GENSCAN |
| Start | 329 | End | 1547 |

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|---|---|---|---|
| GI | none | Score | .82 |
| Exons | 329..559, 657..759, 1456..1547 | | |

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|---|---|---|---|
| Seq. No. | 7637 | Seq. ID | OJ990831_15.9A22.C31 |
| Gene No. | 16123 | Strand | + |
| Start | 68 | End | 193 |
| Name | OJ990831_15.9A22.C31.o1.gs | Method | GENSCAN |
| Start | 68 | End | 193 |
| GI | none | Score | .57 |
| Exons | 68..193 | | |

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|---|---|---|---|
| Seq. No. | 7637 | Seq. ID | OJ990831_15.9A22.C31 |
| Gene No. | 16124 | Strand | - |
| Start | 1 | End | 84 |
| Name | OJ990831_15.9A22.C31.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 84 |
| GI | 2311471 | Score | 160 |
| Exons | 1..84 | | |

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|---|---|---|---|
| Seq. No. | 7638 | Seq. ID | OJ990601_08.9A22.C4 |
| Gene No. | 16125 | Strand | - |
| Start | 1 | End | 474 |
| Name | OJ990601_08.9A22.C4.o1.np | Method | AAT/NAP |
| Start | 1 | End | 474 |
| GI | 6942149 | Score | 105 |
| Exons | 1..74, 329..474 | | |
| GI Descrip. | (AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7639 | Seq. ID | OJ990601_08.9A22.C5 |
| Gene No. | 16126 | Strand | + |
| Start | 389 | End | 452 |
| Name | OJ990601_08.9A22.C5.o1.gs | Method | GENSCAN |
| Start | 389 | End | 452 |
| GI | none | Score | .42 |
| Exons | 389..452 | | |

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|---|---|---|---|
| Seq. No. | 7640 | Seq. ID | OJ990601_08.9A22.C6 |
| Gene No. | 16127 | Strand | - |
| Start | 177 | End | 537 |
| Name | OJ990601_08.9A22.C6.o1.ts | Method | TBLASTX:Soybean |
| Start | 137 | End | 537 |
| GI | none | Score | 283 |
| Exons | 137..535, 176..535, 178..537, 178..537 | | |

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|---|---|---|---|
| Seq. No. | 7640 | Seq. ID | OJ990601_08.9A22.C6 |
| Gene No. | 16127 | Strand | - |
| Start | 177 | End | 537 |
| Name | OJ990601_08.9A22.C6.o1.tm | Method | TBLASTX:Maize |
| Start | 176 | End | 537 |
| GI | none | Score | 413 |
| Exons | 176..532, 176..328, 178..537, 178..537 | | |

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|---|---|---|---|
| Seq. No. | 7640 | Seq. ID | OJ990601_08.9A22.C6 |
| Gene No. | 16127 | Strand | - |
| Start | 177 | End | 537 |
| Name | OJ990601_08.9A22.C6.o1.tw | Method | TBLASTX:Wheat |
| Start | 176 | End | 377 |

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|---|---|---|---|
| GI | none | Score | 212 |
| Exons | 176..361, 178..345, 309..377 | | |

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|---|---|---|---|
| Seq. No. | 7640 | Seq. ID | OJ990601_08.9A22.C6 |
| Gene No. | 16127 | Strand | - |
| Start | 177 | End | 537 |
| Name | OJ990601_08.9A22.C6.o1.np | Method | AAT/NAP |
| Start | 177 | End | 537 |
| GI | 6942149 | Score | 408 |
| Exons | 177..537 | | |
| GI Descrip. | (AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana] | | |

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| Seq. No. | 7640 | Seq. ID | OJ990601_08.9A22.C6 |
| Gene No. | 16127 | Strand | - |
| Start | 177 | End | 537 |
| Name | OJ990601_08.9A22.C6.o1.tc | Method | TBLASTX:Cress |
| Start | 362 | End | 537 |
| GI | none | Score | 150 |
| Exons | 362..526, 379..537 | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16128 | Strand | + |
| Start | 1 | End | 123 |
| Name | OJ990601_08.9A22.C9.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 123 |
| GI | none | Score | 230 |
| Exons | 1..123 | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16129 | Strand | + |
| Start | 459 | End | 4238 |
| Name | OJ990601_08.9A22.C9.o1.np | Method | AAT/NAP |
| Start | 459 | End | 3272 |
| GI | 6942149 | Score | 933 |
| Exons | 459..567, 962..1186, 1538..1942, 2511..3008, 3210..3272 | | |
| GI Descrip. | (AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana] | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16129 | Strand | + |
| Start | 459 | End | 4238 |
| Name | OJ990601_08.9A22.C9.o1.gs | Method | GENSCAN |
| Start | 475 | End | 4238 |
| GI | none | Score | .71 |
| Exons | 475..567, 962..1186, 4150..4238 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16129 | Strand | + |
| Start | 459 | End | 4238 |
| Name | OJ990601_08.9A22.C9.o2.gp | Method | AAT/GAP |
| Start | 2785 | End | 3395 |
| GI | none | Score | 1144 |
| Exons | 2785..3395 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16130 | Strand | + |
| Start | 6704 | End | 7188 |
| Name | OJ990601_08.9A22.C9.o3.gs | Method | GENSCAN |

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|---|---|---|---|
| Start | 6704 | End | 7188 |
| GI | none | Score | .83 |
| Exons | 6704..6732, 6927..7188 | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16131 | Strand | + |
| Start | 9303 | End | 11006 |
| Name | OJ990601_08.9A22.C9.o3.np | Method | AAT/NAP |
| Start | 9303 | End | 11006 |
| GI | 6907086 | Score | 1131 |
| Exons | 9303..10089, 10149..10335, 10556..11006 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16132 | Strand | - |
| Start | 5524 | End | 5922 |
| Name | OJ990601_08.9A22.C9.o3.gp | Method | AAT/GAP |
| Start | 5343 | End | 5922 |
| GI | none | Score | 1104 |
| Exons | 5343..5922 | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16132 | Strand | - |
| Start | 5524 | End | 5922 |
| Name | OJ990601_08.9A22.C9.o2.gs | Method | GENSCAN |
| Start | 5524 | End | 5814 |
| GI | none | Score | .92 |
| Exons | 5524..5814 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16132 | Strand | - |
| Start | 5524 | End | 5922 |
| Name | OJ990601_08.9A22.C9.o2.np | Method | AAT/NAP |
| Start | 5531 | End | 5814 |
| GI | 4836405 | Score | 115 |
| Exons | 5531..5814 | | |
| GI Descrip. | (AF117724) seed maturation protein PM28 [Glycine max] | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 459 | End | 1757 |
| GI | none | Score | 76 |
| Exons | 459..569, 961..1044, 1036..1185, 1062..1172, 1528..1740, 1539..1757 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 459 | End | 1982 |
| GI | none | Score | 82 |
| Exons | 459..569, 500..565, 960..1058, 961..1059, 1057..1182, 1062..1187, 1063..1185, 1528..1941, 1530..1943, 1575..1982 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |

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|---|---|---|---|
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 961 | End | 1943 |
| GI | none | Score | 273 |
| Exons | 961..1176, 963..1202, 1529..1684, 1533..1757, 1537..1941, 1537..1941, 1539..1943, 1791..1943 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o1.tw | Method | TBLASTX:Wheat |
| Start | 1742 | End | 2772 |
| GI | none | Score | 266 |
| Exons | 1742..1810, 1758..1943, 1774..1941, 2502..2624, 2509..2772, 2512..2766 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 1830 | End | 2923 |
| GI | none | Score | 137 |
| Exons | 1830..1943, 1831..1941, 1866..1943, 2510..2689, 2510..2587, 2512..2637, 2606..2923 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 2498 | End | 3124 |
| GI | none | Score | 257 |
| Exons | 2498..2728, 2510..2770, 2512..2763, 2816..2944, 2825..2941, 2950..2985, 2951..2983, 3012..3032, 3013..3033, 3040..3123, 3047..3124 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 2510 | End | 2677 |
| GI | none | Score | 194 |
| Exons | 2510..2677, 2512..2637 | | |

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| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 5563 | End | 5841 |
| GI | none | Score | 43 |
| Exons | 5563..5613, 5563..5616, 5564..5614, 5653..5841, 5654..5815 | | |

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|---|---|---|---|
| Seq. No. | 7641 | Seq. ID | OJ990601_08.9A22.C9 |
| Gene No. | 16133 | Strand | - |
| Start | 7702 | End | 9840 |
| Name | OJ990601_08.9A22.C9.o4.gs | Method | GENSCAN |
| Start | 7702 | End | 9840 |

| | | | |
|---|---|---|---|
| GI | none | Score | .41 |
| Exons | 7702..7775, 8498..8595, 9638..9840 | | |

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|---|---|---|---|
| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16134 | Strand | - |
| Start | 1658 | End | 2143 |
| Name | OJ990601_08.9A22.C10.o1.gp | Method | AAT/GAP |
| Start | 1323 | End | 2143 |
| GI | 511_1.R1084 | Score | 1609 |
| Exons | 1323..2143 | | |
| GI Descrip. | '871931/dbj\|BAA06436\| 3.0e-53 (D30763) ferredoxin [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16134 | Strand | - |
| Start | 1658 | End | 2143 |
| Name | OJ990601_08.9A22.C10.o1.gs | Method | GENSCAN |
| Start | 1658 | End | 2077 |
| GI | none | Score | 1 |
| Exons | 1658..2077 | | |

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|---|---|---|---|
| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16134 | Strand | - |
| Start | 1658 | End | 2143 |
| Name | OJ990601_08.9A22.C10.o1.np | Method | AAT/NAP |
| Start | 1661 | End | 2077 |
| GI | 871931 | Score | 710 |
| Exons | 1661..2077 | | |
| GI Descrip. | (D30763) ferredoxin [Oryza sativa] | | |

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| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16135 | Strand | - |
| Start | 2887 | End | 4343 |
| Name | OJ990601_08.9A22.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 1652 | End | 1969 |
| GI | none | Score | 134 |
| Exons | 1652..1969, 1653..1796, 1842..1949 | | |

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|---|---|---|---|
| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16135 | Strand | - |
| Start | 2887 | End | 4343 |
| Name | OJ990601_08.9A22.C10.o1.tc | Method | TBLASTX:Cress |
| Start | 1655 | End | 2041 |
| GI | none | Score | 152 |
| Exons | 1655..2041, 1668..1802, 1842..1949 | | |

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| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16135 | Strand | - |
| Start | 2887 | End | 4343 |
| Name | OJ990601_08.9A22.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 1664 | End | 2023 |
| GI | none | Score | 182 |
| Exons | 1664..2023, 1668..1802, 1844..1963 | | |

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| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16135 | Strand | - |
| Start | 2887 | End | 4343 |

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|---|---|---|---|
| Name | OJ990601_08.9A22.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 1838 | End | 2017 |
| GI | none | Score | 125 |
| Exons | 1838..2017, 1842..1991 | | |

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|---|---|---|---|
| Seq. No. | 7642 | Seq. ID | OJ990601_08.9A22.C10 |
| Gene No. | 16135 | Strand | - |
| Start | 2887 | End | 4343 |
| Name | OJ990601_08.9A22.C10.o2.gs | Method | GENSCAN |
| Start | 2887 | End | 4343 |
| GI | none | Score | .98 |
| Exons | 2887..2947, 4240..4343 | | |

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|---|---|---|---|
| Seq. No. | 7643 | Seq. ID | OJ990601_08.9A22.C11 |
| Gene No. | 16136 | Strand | - |
| Start | 2429 | End | 2976 |
| Name | OJ990601_08.9A22.C11.o1.np | Method | AAT/NAP |
| Start | 2429 | End | 2976 |
| GI | 5922628 | Score | 295 |
| Exons | 2429..2707, 2903..2976 | | |
| GI Descrip. | (AP000492) hypothetical protein [Oryza sativa] gi\|6016861\|dbj\|BAA85204.1\| (AP000570) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7644 | Seq. ID | OJ990601_08.9A22.C12 |
| Gene No. | 16137 | Strand | - |
| Start | 1 | End | 617 |
| Name | OJ990601_08.9A22.C12.o1.np | Method | AAT/NAP |
| Start | 1 | End | 617 |
| GI | 4220527 | Score | 135 |
| Exons | 1..58, 431..617 | | |
| GI Descrip. | (AL035356) putative protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7645 | Seq. ID | OJ990601_08.9A22.C13 |
| Gene No. | 16138 | Strand | + |
| Start | 378 | End | 1576 |
| Name | OJ990601_08.9A22.C13.o1.gp | Method | AAT/GAP |
| Start | 378 | End | 635 |
| GI | 571598 | Score | 471 |
| Exons | 378..635 | | |

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|---|---|---|---|
| Seq. No. | 7645 | Seq. ID | OJ990601_08.9A22.C13 |
| Gene No. | 16138 | Strand | + |
| Start | 378 | End | 1576 |
| Name | OJ990601_08.9A22.C13.o1.gs | Method | GENSCAN |
| Start | 450 | End | 864 |
| GI | none | Score | .77 |
| Exons | 450..638, 727..864 | | |

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| Seq. No. | 7645 | Seq. ID | OJ990601_08.9A22.C13 |
| Gene No. | 16138 | Strand | + |
| Start | 378 | End | 1576 |
| Name | OJ990601_08.9A22.C13.o1.np | Method | AAT/NAP |
| Start | 513 | End | 1576 |
| GI | 4006878 | Score | 180 |
| Exons | 513..642, 731..864, 1473..1576 | | |
| GI Descrip. | (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7645 | Seq. ID | OJ990601_08.9A22.C13 |
| Gene No. | 16138 | Strand | + |
| Start | 378 | End | 1576 |
| Name | OJ990601_08.9A22.C13.o1.tc | Method | TBLASTX:Cress |
| Start | 522 | End | 864 |
| GI | none | Score | 102 |
| Exons | 522..641, 718..864, 735..779 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16139 | Strand | + |
| Start | 1385 | End | 7986 |
| Name | OJ990601_08.9A22.C14.o1.np | Method | AAT/NAP |
| Start | 1385 | End | 2861 |
| GI | 4006878 | Score | 742 |
| Exons | 1385..1516, 1624..1924, 2008..2231, 2326..2412, 2812..2861 | | |
| GI Descrip. | (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16139 | Strand | + |
| Start | 1385 | End | 7986 |
| Name | OJ990601_08.9A22.C14.o1.gs | Method | GENSCAN |
| Start | 1412 | End | 7986 |
| GI | none | Score | .86 |
| Exons | 1412..1516, 1624..1924, 2008..2231, 2326..2412, 2875..2991, 4625..4777, 5544..5729, 6652..6819, 6945..7178, 7501..7986 | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16139 | Strand | + |
| Start | 1385 | End | 7986 |
| Name | OJ990601_08.9A22.C14.o1.gp | Method | AAT/GAP |
| Start | 1424 | End | 3286 |
| GI | 16403_1.R1084 | Score | 2247 |
| Exons | 1424..1516, 1624..1924, 2008..2231, 2326..2412, 2812..3286 | | |
| GI Descrip. | '4006878/emb\|CAB16796.1\| 4.0e-95 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]' | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16139 | Strand | + |
| Start | 1385 | End | 7986 |
| Name | OJ990601_08.9A22.C14.o2.np | Method | AAT/NAP |
| Start | 4739 | End | 7769 |
| GI | 4220527 | Score | 829 |
| Exons | 4739..4777, 5544..5729, 6538..6819, 6945..7182, 7601..7769 | | |
| GI Descrip. | (AL035356) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o1.ts | Method | TBLASTX:Soybean |
| Start | 1402 | End | 2370 |
| GI | none | Score | 174 |
| Exons | 1402..1512, 1406..1516, 1409..1516, 1612..1719, 1626..1709, 1710..1925, 1711..1923, 1731..1925, 2009..2221, 2010..2228, 2116..2223, 2323..2370 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |

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|---|---|---|---|
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o1.tm | Method | TBLASTX:Maize |
| Start | 1412 | End | 1925 |
| GI | none | Score | 187 |
| Exons | 1412..1516, 1417..1515, 1612..1923, 1626..1925 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o2.tc | Method | TBLASTX:Cress |
| Start | 1448 | End | 1929 |
| GI | none | Score | 115 |
| Exons | 1448..1516, 1450..1515, 1624..1710, 1726..1923, 1734..1919, 1762..1929 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o2.tw | Method | TBLASTX:Wheat |
| Start | 1663 | End | 1929 |
| GI | none | Score | 62 |
| Exons | 1663..1710, 1726..1929, 1737..1928 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o5.tm | Method | TBLASTX:Maize |
| Start | 2009 | End | 2177 |
| GI | none | Score | 200 |
| Exons | 2009..2176, 2010..2177 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o3.tc | Method | TBLASTX:Cress |
| Start | 2036 | End | 2412 |
| GI | none | Score | 178 |
| Exons | 2036..2230, 2037..2228, 2323..2412, 2325..2411 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o4.tm | Method | TBLASTX:Maize |
| Start | 2180 | End | 2890 |
| GI | none | Score | 93 |
| Exons | 2180..2230, 2181..2231, 2190..2231, 2192..2245, 2325..2411, 2326..2421, 2811..2867, 2855..2890 | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o3.tm | Method | TBLASTX:Maize |
| Start | 5549 | End | 7028 |
| GI | none | Score | 132 |
| Exons | 5549..5677, 5559..5675, 6541..6606, 6546..6614, 6625..6816, 6636..6815, 6663..6842, 6945..7028 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o1.tw | Method | TBLASTX:Wheat |
| Start | 6541 | End | 6828 |
| GI | none | Score | 96 |
| Exons | 6541..6615, 6646..6828, 6654..6818, 6658..6828 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o2.ts | Method | TBLASTX:Soybean |
| Start | 6556 | End | 7797 |
| GI | none | Score | 92 |
| Exons | 6556..6633, 6558..6632, 6563..6634, 6642..6815, 6643..6816, 6643..6843, 6678..6836, 6945..7184, 6950..7174, 7498..7665, 7500..7769, 7705..7797 | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o1.tc | Method | TBLASTX:Cress |
| Start | 6583 | End | 7052 |
| GI | none | Score | 46 |
| Exons | 6583..6615, 6646..6828, 6651..6815, 6945..7052 | | |

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|---|---|---|---|
| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o2.tm | Method | TBLASTX:Maize |
| Start | 7046 | End | 7986 |
| GI | none | Score | 133 |
| Exons | 7046..7174, 7049..7213, 7050..7184, 7497..7757, 7498..7797, 7500..7757, 7558..7797, 7799..7828, 7807..7836, 7840..7962, 7847..7915, 7917..7985, 7918..7986 | | |

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| Seq. No. | 7646 | Seq. ID | OJ990601_08.9A22.C14 |
| Gene No. | 16140 | Strand | - |
| Start | 7328 | End | 8039 |
| Name | OJ990601_08.9A22.C14.o2.gp | Method | AAT/GAP |
| Start | 7328 | End | 8039 |
| GI | 5003104 | Score | 1332 |
| Exons | 7328..8039 | | |

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|---|---|---|---|
| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1356 |
| GI | 5777631 | Score | 667 |
| Exons | 1..157, 257..389, 551..638, 1125..1356 | | |
| GI Descrip. | (AJ245900) CAA303719.1 protein [Oryza sativa] | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |

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|---|---|---|---|
| Name | OJ990601_08.9A22.C15.o1.gp | Method | AAT/GAP |
| Start | 55 | End | 186 |
| GI | LIB3433-017-Q6-K1-H9 | Score | 152 |
| Exons | 55..186 | | |
| GI Descrip. | '5777631/emb\|CAB53492.1\| 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa]' | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.tm | Method | TBLASTX:Maize |
| Start | 55 | End | 1319 |
| GI | none | Score | 55 |
| Exons | 55..156, 110..160, 257..379, 259..387, 548..637, 555..638, 556..615, 622..642, 1125..1319, 1126..1317 | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o2.tw | Method | TBLASTX:Wheat |
| Start | 55 | End | 339 |
| GI | none | Score | 82 |
| Exons | 55..159, 56..160, 101..160, 102..164, 256..339, 257..307 | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o2.tc | Method | TBLASTX:Cress |
| Start | 79 | End | 391 |
| GI | none | Score | 66 |
| Exons | 79..159, 104..166, 256..390, 257..391 | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.ts | Method | TBLASTX:Soybean |
| Start | 91 | End | 1319 |
| GI | none | Score | 75 |
| Exons | 91..159, 110..160, 113..160, 254..376, 256..390, 257..391, 552..641, 553..642, 1125..1319, 1126..1317 | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o2.gp | Method | AAT/GAP |
| Start | 254 | End | 1210 |
| GI | 3107841 | Score | 558 |
| Exons | 254..389, 551..638, 1125..1210 | | |
| GI Descrip. | 5777631/emb\|CAB53492.1\| 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa] | | |

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| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.gs | Method | GENSCAN |
| Start | 257 | End | 1280 |
| GI | none | Score | .79 |

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| Exons | 257..353, 551..638, 1125..1280 | | |
| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.tc | Method | TBLASTX:Cress |
| Start | 1120 | End | 1319 |
| GI | none | Score | 200 |
| Exons | 1120..1284, 1125..1319, 1126..1308 | | |
| Seq. No. | 7647 | Seq. ID | OJ990601_08.9A22.C15 |
| Gene No. | 16141 | Strand | - |
| Start | 1 | End | 1356 |
| Name | OJ990601_08.9A22.C15.o1.tw | Method | TBLASTX:Wheat |
| Start | 1144 | End | 1316 |
| GI | none | Score | 163 |
| Exons | 1144..1308, 1144..1284, 1146..1316 | | |
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16142 | Strand | + |
| Start | 278 | End | 1843 |
| Name | OJ990601_08.9A22.C16.o1.gs | Method | GENSCAN |
| Start | 278 | End | 1843 |
| GI | none | Score | .85 |
| Exons | 278..345, 493..634, 1312..1386, 1476..1843 | | |
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16143 | Strand | - |
| Start | 1 | End | 496 |
| Name | OJ990601_08.9A22.C16.o1.np | Method | AAT/NAP |
| Start | 1 | End | 496 |
| GI | 5777631 | Score | 461 |
| Exons | 1..496 | | |
| GI Descrip. | (AJ245900) CAA303719.1 protein [Oryza sativa] | | |
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16143 | Strand | - |
| Start | 1 | End | 496 |
| Name | OJ990601_08.9A22.C16.o1.gp | Method | AAT/GAP |
| Start | 131 | End | 216 |
| GI | 3107841 | Score | 153 |
| Exons | 131..216 | | |
| GI Descrip. | 5777631/emb\|CAB53492.1\| 9.0e-39 (AJ245900) CAA303719.1 protein [Oryza sativa] | | |
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16144 | Strand | - |
| Start | 2092 | End | 2238 |
| Name | OJ990601_08.9A22.C16.o1.tc | Method | TBLASTX:Cress |
| Start | 131 | End | 497 |
| GI | none | Score | 162 |
| Exons | 131..343, 135..314, 166..330, 359..496, 423..497 | | |
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16144 | Strand | - |
| Start | 2092 | End | 2238 |
| Name | OJ990601_08.9A22.C16.o1.ts | Method | TBLASTX:Soybean |

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|---|---|---|---|
| Start | 131 | End | 527 |
| GI | none | Score | 194 |
| Exons | 131..403, 132..314, 146..403, 412..516, 413..517, 414..527 | | |

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| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16144 | Strand | - |
| Start | 2092 | End | 2238 |
| Name | OJ990601_08.9A22.C16.o1.tm | Method | TBLASTX:Maize |
| Start | 131 | End | 516 |
| GI | none | Score | 224 |
| Exons | 131..496, 131..496, 133..516 | | |

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|---|---|---|---|
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16144 | Strand | - |
| Start | 2092 | End | 2238 |
| Name | OJ990601_08.9A22.C16.o1.tw | Method | TBLASTX:Wheat |
| Start | 150 | End | 497 |
| GI | none | Score | 163 |
| Exons | 150..314, 150..290, 152..400, 152..397, 413..496, 414..497 | | |

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|---|---|---|---|
| Seq. No. | 7648 | Seq. ID | OJ990601_08.9A22.C16 |
| Gene No. | 16144 | Strand | - |
| Start | 2092 | End | 2238 |
| Name | OJ990601_08.9A22.C16.o2.gs | Method | GENSCAN |
| Start | 2092 | End | 2238 |
| GI | none | Score | .47 |
| Exons | 2092..2111, 2166..2238 | | |

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| Seq. No. | 7649 | Seq. ID | OJ990601_08.9A22.C17 |
| Gene No. | 16145 | Strand | + |
| Start | 1 | End | 2765 |
| Name | OJ990601_08.9A22.C17.o1.np | Method | AAT/NAP |
| Start | 1 | End | 2765 |
| GI | 6598802 | Score | 103 |
| Exons | 1..25, 697..770, 951..1061, 2683..2765 | | |
| GI Descrip. | (AF024504) putative protein kinase [Arabidopsis thaliana] | | |

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| Seq. No. | 7649 | Seq. ID | OJ990601_08.9A22.C17 |
| Gene No. | 16146 | Strand | - |
| Start | 951 | End | 2674 |
| Name | OJ990601_08.9A22.C17.o1.gs | Method | GENSCAN |
| Start | 951 | End | 2674 |
| GI | none | Score | .7 |
| Exons | 951..1073, 2032..2129, 2253..2391, 2549..2674 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.gs | Method | GENSCAN |
| Start | 2106 | End | 9152 |
| GI | none | Score | .47 |
| Exons | 2106..2203, 2296..2422, 2478..2762, 2904..3058, 5104..5173, 5777..5922, 6223..6334, 7532..7627, 8486..8566, 8671..8721, 9012..9152 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |

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|---|---|---|---|
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.np | Method | AAT/NAP |
| Start | 2416 | End | 9164 |
| GI | 3367596 | Score | 756 |
| Exons | 2416..2490, 2691..3043, 3348..3427, 5095..5173, 5270..5466, 5837..5922, 6223..6334, 6409..6478, 6874..7049, 7532..7627, 8486..8566, 8671..8724, 9012..9164 | | |
| GI Descrip. | (AL031135) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.gp | Method | AAT/GAP |
| Start | 2469 | End | 2787 |
| GI | 569646 | Score | 610 |
| Exons | 2469..2787 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.tc | Method | TBLASTX:Cress |
| Start | 5111 | End | 8714 |
| GI | none | Score | 60 |
| Exons | 5111..5167, 5128..5166, 5261..5371, 5269..5385, 5288..5386, 6388..6477, 6867..7052, 6872..7036, 7532..7630, 8474..8569, 8482..8583, 8664..8714 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o2.tm | Method | TBLASTX:Maize |
| Start | 5123 | End | 5385 |
| GI | none | Score | 71 |
| Exons | 5123..5176, 5125..5166, 5279..5380, 5284..5385, 5288..5383 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.tw | Method | TBLASTX:Wheat |
| Start | 5822 | End | 7020 |
| GI | none | Score | 96 |
| Exons | 5822..5923, 5827..5925, 6212..6337, 6224..6337, 6382..6477, 6392..6484, 6402..6485, 6860..7018, 6861..7019, 6877..7020 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.tm | Method | TBLASTX:Maize |
| Start | 6269 | End | 9152 |
| GI | none | Score | 78 |
| Exons | 6269..6337, 6280..6336, 6382..6477, 6391..6477, 6407..6484, 6408..6491, 6867..7052, 6872..7039, 6873..7049, 7528..7626, 7530..7628, 7532..7630, 8474..8569, 8483..8560, 8485..8568, 8670..8720, 8671..8721, 8674..8721, 9011..9142, 9012..9152 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |

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|---|---|---|---|
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o1.ts | Method | TBLASTX:Soybean |
| Start | 6887 | End | 9137 |
| GI | none | Score | 208 |
| Exons | 6887..7030, 6888..7052, 7531..7641, 7532..7630, 8474..8560, 8674..8721, 9012..9137 | | |

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|---|---|---|---|
| Seq. No. | 7650 | Seq. ID | OJ990601_08.9A22.C18 |
| Gene No. | 16147 | Strand | + |
| Start | 2106 | End | 9164 |
| Name | OJ990601_08.9A22.C18.o2.gp | Method | AAT/GAP |
| Start | 7519 | End | 9164 |
| GI | LIB3431-038-P1-K1-A11 | Score | 657 |
| Exons | 7519..7627, 8486..8566, 8671..8721, 9012..9164 | | |
| GI Descrip. | '3367596/emb\|CAA20048\| 3.0e-38 (AL031135) putative protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7651 | Seq. ID | OJ990601_08.9A22.C19 |
| Gene No. | 16148 | Strand | - |
| Start | 293 | End | 433 |
| Name | OJ990601_08.9A22.C19.o1.gs | Method | GENSCAN |
| Start | 293 | End | 433 |
| GI | none | Score | .71 |
| Exons | 293..433 | | |

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|---|---|---|---|
| Seq. No. | 7652 | Seq. ID | OJ990601_08.9A22.C20 |
| Gene No. | 16149 | Strand | - |
| Start | 422 | End | 503 |
| Name | OJ990601_08.9A22.C20.o1.gs | Method | GENSCAN |
| Start | 422 | End | 503 |
| GI | none | Score | .6 |
| Exons | 422..503 | | |

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|---|---|---|---|
| Seq. No. | 7653 | Seq. ID | OJ990601_08.9A22.C21 |
| Gene No. | 16150 | Strand | + |
| Start | 371 | End | 435 |
| Name | OJ990601_08.9A22.C21.o2.gp | Method | AAT/GAP |
| Start | 371 | End | 435 |
| GI | none | Score | 106 |
| Exons | 371..435 | | |

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|---|---|---|---|
| Seq. No. | 7653 | Seq. ID | OJ990601_08.9A22.C21 |
| Gene No. | 16151 | Strand | - |
| Start | 269 | End | 361 |
| Name | OJ990601_08.9A22.C21.o1.gs | Method | GENSCAN |
| Start | 269 | End | 361 |
| GI | none | Score | .81 |
| Exons | 269..361 | | |

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|---|---|---|---|
| Seq. No. | 7654 | Seq. ID | OJ990601_08.9A22.C22 |
| Gene No. | 16152 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990601_08.9A22.C22.o1.np | Method | AAT/NAP |
| Start | 1 | End | 678 |
| GI | 6598802 | Score | 64 |
| Exons | 1..40, 135..244, 319..388, 645..678 | | |
| GI Descrip. | (AF024504) putative protein kinase [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7654 | Seq. ID | OJ990601_08.9A22.C22 |
| Gene No. | 16152 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990601_08.9A22.C22.o1.tw | Method | TBLASTX:Wheat |
| Start | 122 | End | 395 |
| GI | none | Score | 126 |
| Exons | 122..247, 134..247, 292..387, | 301..384, 302..394, 312..395 | |

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|---|---|---|---|
| Seq. No. | 7654 | Seq. ID | OJ990601_08.9A22.C22 |
| Gene No. | 16152 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990601_08.9A22.C22.o1.tm | Method | TBLASTX:Maize |
| Start | 128 | End | 421 |
| GI | none | Score | 131 |
| Exons | 128..247, 134..247, 292..387, | 294..389, 314..370, 317..421 | |

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|---|---|---|---|
| Seq. No. | 7654 | Seq. ID | OJ990601_08.9A22.C22 |
| Gene No. | 16152 | Strand | + |
| Start | 1 | End | 678 |
| Name | OJ990601_08.9A22.C22.o1.gs | Method | GENSCAN |
| Start | 133 | End | 256 |
| GI | none | Score | .74 |
| Exons | 133..256 | | |

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|---|---|---|---|
| Seq. No. | 7655 | Seq. ID | OJ990601_08.9A22.C23 |
| Gene No. | 16153 | Strand | + |
| Start | 168 | End | 571 |
| Name | OJ990601_08.9A22.C23.o1.gs | Method | GENSCAN |
| Start | 168 | End | 571 |
| GI | none | Score | .76 |
| Exons | 168..345, 440..571 | | |

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|---|---|---|---|
| Seq. No. | 7656 | Seq. ID | OJ990601_08.9A22.C27 |
| Gene No. | 16154 | Strand | + |
| Start | 172 | End | 225 |
| Name | OJ990601_08.9A22.C27.o1.gs | Method | GENSCAN |
| Start | 172 | End | 225 |
| GI | none | Score | .92 |
| Exons | 172..225 | | |

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|---|---|---|---|
| Seq. No. | 7657 | Seq. ID | OJ990601_08.9A22.C28 |
| Gene No. | 16155 | Strand | + |
| Start | 382 | End | 418 |
| Name | OJ990601_08.9A22.C28.o1.gs | Method | GENSCAN |
| Start | 382 | End | 418 |
| GI | none | Score | .69 |
| Exons | 382..418 | | |

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|---|---|---|---|
| Seq. No. | 7658 | Seq. ID | OJ990601_08.9A22.C29 |
| Gene No. | 16156 | Strand | - |
| Start | 1081 | End | 1132 |
| Name | OJ990601_08.9A22.C29.o1.gs | Method | GENSCAN |
| Start | 1081 | End | 1132 |
| GI | none | Score | .92 |
| Exons | 1081..1132 | | |

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|---|---|---|---|
| Seq. No. | 7659 | Seq. ID | OJ990601_08.9A22.C31 |
| Gene No. | 16157 | Strand | + |
| Start | 1 | End | 443 |
| Name | OJ990601_08.9A22.C31.o1.np | Method | AAT/NAP |
| Start | 1 | End | 443 |
| GI | 6907088 | Score | 373 |
| Exons | 1..443 | | |
| GI Descrip. | (AP001129) hypothetical protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7660 | Seq. ID | OJ990601_08.9A22.C33 |
| Gene No. | 16158 | Strand | - |
| Start | 219 | End | 331 |
| Name | OJ990601_08.9A22.C33.o1.gs | Method | GENSCAN |
| Start | 219 | End | 331 |
| GI | none | Score | .41 |
| Exons | 219..331 | | |

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|---|---|---|---|
| Seq. No. | 7661 | Seq. ID | OJ990601_08.9A22.C34 |
| Gene No. | 16159 | Strand | - |
| Start | 1 | End | 540 |
| Name | OJ990601_08.9A22.C34.o1.np | Method | AAT/NAP |
| Start | 1 | End | 540 |
| GI | 4220527 | Score | 151 |
| Exons | 1..118, 312..540 | | |
| GI Descrip. | (AL035356) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16160 | Strand | + |
| Start | 138 | End | 624 |
| Name | OJ990601_08.9A22.C38.o1.gp | Method | AAT/GAP |
| Start | 138 | End | 624 |
| GI | 16990_1.R1084 | Score | 936 |
| Exons | 138..624 | | |
| GI Descrip. | '5263330/gb\|AAD41432.1\|AC007727_21 9.0e-26 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb' | | |

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|---|---|---|---|
| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16161 | Strand | - |
| Start | 421 | End | 939 |
| Name | OJ990601_08.9A22.C38.o1.tm | Method | TBLASTX:Maize |
| Start | 413 | End | 939 |
| GI | none | Score | 136 |
| Exons | 413..916, 414..617, 416..934, 421..939, 421..939 | | |

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|---|---|---|---|
| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16161 | Strand | - |
| Start | 421 | End | 939 |
| Name | OJ990601_08.9A22.C38.o1.gs | Method | GENSCAN |
| Start | 421 | End | 882 |
| GI | none | Score | .49 |
| Exons | 421..882 | | |

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|---|---|---|---|
| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16161 | Strand | - |

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|---|---|---|---|
| Start | 421 | End | 939 |
| Name | OJ990601_08.9A22.C38.o1.tc | Method | TBLASTX:Cress |
| Start | 421 | End | 939 |
| GI | none | Score | 184 |
| Exons | 421..708, 428..691, 433..738, | 706..939, 710..919 | |

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| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16161 | Strand | - |
| Start | 421 | End | 939 |
| Name | OJ990601_08.9A22.C38.o1.ts | Method | TBLASTX:Soybean |
| Start | 421 | End | 913 |
| GI | none | Score | 257 |
| Exons | 421..888, 422..913 | | |

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| Seq. No. | 7662 | Seq. ID | OJ990601_08.9A22.C38 |
| Gene No. | 16161 | Strand | - |
| Start | 421 | End | 939 |
| Name | OJ990601_08.9A22.C38.o1.np | Method | AAT/NAP |
| Start | 424 | End | 939 |
| GI | 5263330 | Score | 646 |
| Exons | 424..939 | | |
| GI Descrip. | (AC007727) Contains similarity to gb\|AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF\|00651 BTB/POZ domain. ESTs gb\|T75841, gb\|R89974, gb\|R30221, gb\|N96386, gb\|T76457, gb\|AI100013 and gb... | | |

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| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |
| Name | OJ990601_08.9A22.C39.o1.np | Method | AAT/NAP |
| Start | 1 | End | 656 |
| GI | 5263330 | Score | 189 |
| Exons | 1..76, 171..316, 600..656 | | |
| GI Descrip. | (AC007727) Contains similarity to gb\|AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF\|00651 BTB/POZ domain. ESTs gb\|T75841, gb\|R89974, gb\|R30221, gb\|N96386, gb\|T76457, gb\|AI100013 and gb... | | |

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|---|---|---|---|
| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |
| Name | OJ990601_08.9A22.C39.o1.ts | Method | TBLASTX:Soybean |
| Start | 2 | End | 315 |
| GI | none | Score | 109 |
| Exons | 2..85, 3..80, 172..315 | | |

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|---|---|---|---|
| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |
| Name | OJ990601_08.9A22.C39.o1.tc | Method | TBLASTX:Cress |
| Start | 3 | End | 315 |
| GI | none | Score | 111 |
| Exons | 3..77, 5..76, 172..315, 174..314 | | |

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| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |

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|---|---|---|---|
| Name | OJ990601_08.9A22.C39.o1.tm | Method | TBLASTX:Maize |
| Start | 3 | End | 315 |
| GI | none | Score | 132 |
| Exons | 3..80, 5..76, 169..315, 172..315 | | |

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|---|---|---|---|
| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |
| Name | OJ990601_08.9A22.C39.o1.gs | Method | GENSCAN |
| Start | 60 | End | 170 |
| GI | none | Score | .71 |
| Exons | 60..170 | | |

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|---|---|---|---|
| Seq. No. | 7663 | Seq. ID | OJ990601_08.9A22.C39 |
| Gene No. | 16162 | Strand | + |
| Start | 1 | End | 656 |
| Name | OJ990601_08.9A22.C39.o1.gp | Method | AAT/GAP |
| Start | 68 | End | 322 |
| GI | 63152_1.R1084 | Score | 477 |
| Exons | 68..322 | | |
| GI Descrip. | '5263330/gb\|AAD41432.1\|AC007727_21 4.0e-20 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb' | | |

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| Seq. No. | 7664 | Seq. ID | OJ990601_08.9A22.C40 |
| Gene No. | 16163 | Strand | + |
| Start | 236 | End | 535 |
| Name | OJ990601_08.9A22.C40.o1.gp | Method | AAT/GAP |
| Start | 236 | End | 535 |
| GI | none | Score | 575 |
| Exons | 236..535 | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16164 | Strand | + |
| Start | 1 | End | 306 |
| Name | OJ990601_08.9A22.C41.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 306 |
| GI | 16990_1.R1084 | Score | 604 |
| Exons | 1..306 | | |
| GI Descrip. | '5263330/gb\|AAD41432.1\|AC007727_21 9.0e-26 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb' | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o1.tm | Method | TBLASTX:Maize |
| Start | 95 | End | 687 |
| GI | none | Score | 136 |
| Exons | 95..637, 96..299, 98..643, 103..687, 103..639 | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |

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|---|---|---|---|
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o1.gs | Method | GENSCAN |
| Start | 103 | End | 1084 |
| GI | none | Score | .91 |
| Exons | 103..714, 966..1084 | | |

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| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o1.ts | Method | TBLASTX:Soybean |
| Start | 103 | End | 1085 |
| GI | none | Score | 264 |
| Exons | 103..570, 104..655, 574..702, 981..1085, 982..1059 | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o1.tc | Method | TBLASTX:Cress |
| Start | 103 | End | 1086 |
| GI | none | Score | 184 |
| Exons | 103..390, 110..373, 115..420, 388..669, 392..667, 442..669, 981..1085, 982..1086 | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o1.np | Method | AAT/NAP |
| Start | 106 | End | 1154 |
| GI | 5263330 | Score | 768 |
| Exons | 106..714, 972..1154 | | |
| GI Descrip. | (AC007727) Contains similarity to gb\|AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF\|00651 BTB/POZ domain. ESTs gb\|T75841, gb\|R89974, gb\|R30221, gb\|N96386, gb\|T76457, gb\|AI100013 and gb... | | |

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|---|---|---|---|
| Seq. No. | 7665 | Seq. ID | OJ990601_08.9A22.C41 |
| Gene No. | 16165 | Strand | - |
| Start | 103 | End | 1154 |
| Name | OJ990601_08.9A22.C41.o2.gp | Method | AAT/GAP |
| Start | 953 | End | 1084 |
| GI | 63152_1.R1084 | Score | 196 |
| Exons | 953..1084 | | |
| GI Descrip. | '5263330/gb\|AAD41432.1\|AC007727_21 4.0e-20 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb' | | |

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1422 |
| GI | 5263330 | Score | 334 |
| Exons | 1..313, 1070..1215, 1310..1422 | | |
| GI Descrip. | (AC007727) Contains similarity to gb\|AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF\|00651 BTB/POZ | | |

domain. ESTs gb|T75841, gb|R89974, gb|R30221, gb|N96386, gb|T76457, gb|AI100013 and gb...

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.gp | Method | AAT/GAP |
| Start | 181 | End | 1318 |
| GI | 63152_1.R1084 | Score | 705 |
| Exons | 181..313, 1070..1318 | | |
| GI Descrip. | '5263330/gb\|AAD41432.1\|AC007727_21 4.0e-20 (AC007727) Contains similarity to gb_AJ000644 SPOP (speckle-type POZ protein) from Homo sapiens and contains a PF_00651 BTB/POZ domain. ESTs gb_T75841, gb_R89974, gb_R30221, gb_N96386, gb_T76457, gb_AI100013 and gb' | | |

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.gs | Method | GENSCAN |
| Start | 194 | End | 1425 |
| GI | none | Score | .67 |
| Exons | 194..313, 1182..1425 | | |

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.ts | Method | TBLASTX:Soybean |
| Start | 198 | End | 1413 |
| GI | none | Score | 83 |
| Exons | 198..314, 211..288, 1071..1214, 1301..1408, 1306..1413 | | |

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.tc | Method | TBLASTX:Cress |
| Start | 198 | End | 1416 |
| GI | none | Score | 76 |
| Exons | 198..314, 211..315, 1071..1214, 1072..1212, 1309..1416, 1310..1408 | | |

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|---|---|---|---|
| Seq. No. | 7666 | Seq. ID | OJ990601_08.9A22.C42 |
| Gene No. | 16166 | Strand | - |
| Start | 1 | End | 1425 |
| Name | OJ990601_08.9A22.C42.o1.tm | Method | TBLASTX:Maize |
| Start | 1071 | End | 1416 |
| GI | none | Score | 144 |
| Exons | 1071..1217, 1071..1214, 1306..1416, 1309..1401, 1310..1411 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16167 | Strand | + |
| Start | 7503 | End | 8281 |
| Name | OJ990601_08.9A22.C43.o3.gs | Method | GENSCAN |
| Start | 7503 | End | 8281 |
| GI | none | Score | .63 |
| Exons | 7503..7570, 8191..8281 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16168 | Strand | - |
| Start | 2571 | End | 3782 |
| Name | OJ990601_08.9A22.C43.o2.gs | Method | GENSCAN |
| Start | 2571 | End | 3782 |
| GI | none | Score | .68 |
| Exons | 2571..3044, 3228..3412, 3602..3782 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16168 | Strand | - |
| Start | 2571 | End | 3782 |
| Name | OJ990601_08.9A22.C43.o1.np | Method | AAT/NAP |
| Start | 3013 | End | 3767 |
| GI | 4406812 | Score | 558 |
| Exons | 3013..3077, 3191..3477, 3602..3767 | | |
| GI Descrip. | (AC006201) putative NAM (no apical meristem)-like protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16169 | Strand | - |
| Start | 9047 | End | 9463 |
| Name | OJ990601_08.9A22.C43.o1.gp | Method | AAT/GAP |
| Start | 9047 | End | 9463 |
| GI | 2338_1.R1084 | Score | 179 |
| Exons | 9047..9118, 9381..9463 | | |
| GI Descrip. | '5803242/dbj\|AP000399.1\|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04' | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o1.tm | Method | TBLASTX:Maize |
| Start | 3042 | End | 3455 |
| GI | none | Score | 100 |
| Exons | 3042..3077, 3201..3302, 3203..3307, 3219..3302, 3329..3454, 3333..3455 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o1.tw | Method | TBLASTX:Wheat |
| Start | 3042 | End | 3440 |
| GI | none | Score | 95 |
| Exons | 3042..3068, 3197..3310, 3198..3311, 3201..3347, 3314..3436, 3327..3440 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o1.ts | Method | TBLASTX:Soybean |
| Start | 3042 | End | 3454 |
| GI | none | Score | 104 |
| Exons | 3042..3083, 3206..3316, 3219..3311, 3305..3454, 3336..3437 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |

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|---|---|---|---|
| Name | OJ990601_08.9A22.C43.o1.tc | Method | TBLASTX:Cress |
| Start | 3215 | End | 3442 |
| GI | none | Score | 181 |
| Exons | 3215..3442, 3219..3437 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o2.tc | Method | TBLASTX:Cress |
| Start | 3595 | End | 3744 |
| GI | none | Score | 96 |
| Exons | 3595..3738, 3603..3743, 3607..3744 | | |

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| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o2.ts | Method | TBLASTX:Soybean |
| Start | 3603 | End | 3744 |
| GI | none | Score | 100 |
| Exons | 3603..3743, 3607..3744 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o3.tm | Method | TBLASTX:Maize |
| Start | 3618 | End | 3747 |
| GI | none | Score | 113 |
| Exons | 3618..3746, 3664..3747 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o4.gs | Method | GENSCAN |
| Start | 9824 | End | 14787 |
| GI | none | Score | .85 |
| Exons | 9824..9927, 10445..10495, 13098..13157, 14627..14659, 14744..14787 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o2.gp | Method | AAT/GAP |
| Start | 14150 | End | 14917 |
| GI | none | Score | 1235 |
| Exons | 14150..14659, 14744..14917 | | |

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|---|---|---|---|
| Seq. No. | 7667 | Seq. ID | OJ990601_08.9A22.C43 |
| Gene No. | 16170 | Strand | - |
| Start | 9824 | End | 14917 |
| Name | OJ990601_08.9A22.C43.o2.tm | Method | TBLASTX:Maize |
| Start | 14561 | End | 14896 |
| GI | none | Score | 133 |
| Exons | 14561..14629, 14562..14660, 14562..14660, 14709..14891, 14738..14890, 14739..14891, 14741..14896 | | |

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|---|---|---|---|
| Seq. No. | 7668 | Seq. ID | OJ990601_08.9A22.C44 |
| Gene No. | 16171 | Strand | - |

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|---|---|---|---|
| Start | 72 | End | 3881 |
| Name | OJ990601_08.9A22.C44.o1.gs | Method | GENSCAN |
| Start | 72 | End | 3852 |
| GI | none | Score | .9 |
| Exons | 72..131, 1600..1632, 2500..2605, 3661..3852 | | |

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|---|---|---|---|
| Seq. No. | 7668 | Seq. ID | OJ990601_08.9A22.C44 |
| Gene No. | 16171 | Strand | - |
| Start | 72 | End | 3881 |
| Name | OJ990601_08.9A22.C44.o1.gp | Method | AAT/GAP |
| Start | 1123 | End | 3881 |
| GI | none | Score | 1835 |
| Exons | 1123..1632, 1717..1865, 2500..2605, 3661..3881 | | |

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|---|---|---|---|
| Seq. No. | 7668 | Seq. ID | OJ990601_08.9A22.C44 |
| Gene No. | 16171 | Strand | - |
| Start | 72 | End | 3881 |
| Name | OJ990601_08.9A22.C44.o1.tm | Method | TBLASTX:Maize |
| Start | 1534 | End | 3837 |
| GI | none | Score | 133 |
| Exons | 1534..1602, 1535..1633, 1682..1864, 1711..1863, 1714..1869, 1728..1865, 2499..2606, 2499..2606, 2501..2608, 2501..2608, 3659..3814, 3661..3837 | | |

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|---|---|---|---|
| Seq. No. | 7668 | Seq. ID | OJ990601_08.9A22.C44 |
| Gene No. | 16171 | Strand | - |
| Start | 72 | End | 3881 |
| Name | OJ990601_08.9A22.C44.o1.tw | Method | TBLASTX:Wheat |
| Start | 1781 | End | 3843 |
| GI | none | Score | 128 |
| Exons | 1781..1864, 1783..1869, 1783..1863, 2457..2606, 2501..2608, 2501..2608, 3659..3814, 3661..3843 | | |

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|---|---|---|---|
| Seq. No. | 7669 | Seq. ID | OJ990601_08.9A22.C45 |
| Gene No. | 16172 | Strand | + |
| Start | 590 | End | 1107 |
| Name | OJ990601_08.9A22.C45.o1.gp | Method | AAT/GAP |
| Start | 590 | End | 1107 |
| GI | none | Score | 672 |
| Exons | 590..788, 935..1107 | | |

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|---|---|---|---|
| Seq. No. | 7669 | Seq. ID | OJ990601_08.9A22.C45 |
| Gene No. | 16173 | Strand | - |
| Start | 635 | End | 892 |
| Name | OJ990601_08.9A22.C45.o1.gs | Method | GENSCAN |
| Start | 635 | End | 892 |
| GI | none | Score | .89 |
| Exons | 635..892 | | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.np | Method | AAT/NAP |
| Start | 1 | End | 886 |
| GI | 4220527 | Score | 460 |
| Exons | 1..278, 404..685, 728..886 | | |
| GI Descrip. | (AL035356) putative protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.ts | Method | TBLASTX:Soybean |
| Start | 180 | End | 667 |
| GI | none | Score | 82 |
| Exons | 180..278, 184..273, 380..580, 589..660, 590..667, 591..665 | 387..545, 407..580, 408..581, | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.tc | Method | TBLASTX:Cress |
| Start | 183 | End | 640 |
| GI | none | Score | 142 |
| Exons | 183..278, 395..577, 408..572, | 608..640 | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.tm | Method | TBLASTX:Maize |
| Start | 195 | End | 682 |
| GI | none | Score | 203 |
| Exons | 195..278, 381..560, 407..598, | 408..587, 609..677, 617..682 | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.gs | Method | GENSCAN |
| Start | 211 | End | 651 |
| GI | none | Score | .47 |
| Exons | 211..278, 527..651 | | |

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|---|---|---|---|
| Seq. No. | 7670 | Seq. ID | OJ990601_08.9A22.C47 |
| Gene No. | 16174 | Strand | - |
| Start | 1 | End | 886 |
| Name | OJ990601_08.9A22.C47.o1.tw | Method | TBLASTX:Wheat |
| Start | 395 | End | 682 |
| GI | none | Score | 89 |
| Exons | 395..565, 395..577, 405..569, | 608..682 | |

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|---|---|---|---|
| Seq. No. | 7671 | Seq. ID | OJ990601_08.9A22.C50 |
| Gene No. | 16175 | Strand | - |
| Start | 115 | End | 459 |
| Name | OJ990601_08.9A22.C50.o1.gs | Method | GENSCAN |
| Start | 115 | End | 407 |
| GI | none | Score | .87 |
| Exons | 115..407 | | |

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|---|---|---|---|
| Seq. No. | 7671 | Seq. ID | OJ990601_08.9A22.C50 |
| Gene No. | 16175 | Strand | - |
| Start | 115 | End | 459 |
| Name | OJ990601_08.9A22.C50.o1.np | Method | AAT/NAP |
| Start | 115 | End | 459 |
| GI | 6598802 | Score | 69 |
| Exons | 115..459 | | |

GI Descrip. (AF024504) putative protein kinase [Arabidopsis thaliana]

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o1.np | Method | AAT/NAP |
| Start | 1 | End | 375 |
| GI | 5777631 | Score | 440 |
| Exons | 1..375 | | |
| GI Descrip. | (AJ245900) CAA303719.1 protein [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o1.tc | Method | TBLASTX:Cress |
| Start | 12 | End | 378 |
| GI | none | Score | 198 |
| Exons | 12..158, 13..144, 43..174, 223..309, 241..378, 249..377 | | |

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o1.tm | Method | TBLASTX:Maize |
| Start | 15 | End | 378 |
| GI | none | Score | 76 |
| Exons | 15..161, 29..106, 34..144, 40..174, 233..367, 244..378, 252..377 | | |

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o1.ts | Method | TBLASTX:Soybean |
| Start | 18 | End | 404 |
| GI | none | Score | 193 |
| Exons | 18..158, 28..144, 39..158, 241..387, 241..381, 249..386, 261..404, 263..400 | | |

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o1.tw | Method | TBLASTX:Wheat |
| Start | 29 | End | 179 |
| GI | none | Score | 82 |
| Exons | 29..121, 33..179, 34..144, 39..152 | | |

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|---|---|---|---|
| Seq. No. | 7672 | Seq. ID | OJ990601_08.9A22.C51 |
| Gene No. | 16176 | Strand | + |
| Start | 1 | End | 404 |
| Name | OJ990601_08.9A22.C51.o2.tw | Method | TBLASTX:Wheat |
| Start | 220 | End | 378 |
| GI | none | Score | 126 |
| Exons | 220..375, 233..367, 244..378, 252..377 | | |

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|---|---|---|---|
| Seq. No. | 7673 | Seq. ID | OJ990601_03.9A26.C1 |
| Gene No. | 16177 | Strand | + |
| Start | 66 | End | 128 |
| Name | OJ990601_03.9A26.C1.o1.gs | Method | GENSCAN |
| Start | 66 | End | 128 |

| | | | |
|---|---|---|---|
| GI | none | Score | .97 |
| Exons | 66..128 | | |

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|---|---|---|---|
| Seq. No. | 7673 | Seq. ID | OJ990601_03.9A26.C1 |
| Gene No. | 16178 | Strand | - |
| Start | 1 | End | 299 |
| Name | OJ990601_03.9A26.C1.o1.np | Method | AAT/NAP |
| Start | 1 | End | 288 |
| GI | 6331695 | Score | 173 |
| Exons | 1..99, 193..288 | | |
| GI Descrip. | (AB024986) cyclin [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7673 | Seq. ID | OJ990601_03.9A26.C1 |
| Gene No. | 16178 | Strand | - |
| Start | 1 | End | 299 |
| Name | OJ990601_03.9A26.C1.o1.gp | Method | AAT/GAP |
| Start | 57 | End | 299 |
| GI | 97_1.R1084 | Score | 207 |
| Exons | 57..99, 193..299 | | |
| GI Descrip. | '1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7673 | Seq. ID | OJ990601_03.9A26.C1 |
| Gene No. | 16178 | Strand | - |
| Start | 1 | End | 299 |
| Name | OJ990601_03.9A26.C1.o1.tm | Method | TBLASTX:Maize |
| Start | 57 | End | 288 |
| GI | none | Score | 56 |
| Exons | 57..98, 58..105, 59..121, 133..279, 187..288, 191..286 | | |

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|---|---|---|---|
| Seq. No. | 7673 | Seq. ID | OJ990601_03.9A26.C1 |
| Gene No. | 16178 | Strand | - |
| Start | 1 | End | 299 |
| Name | OJ990601_03.9A26.C1.o1.ts | Method | TBLASTX:Soybean |
| Start | 58 | End | 288 |
| GI | none | Score | 61 |
| Exons | 58..105, 59..112, 187..264, 187..288, 191..280 | | |

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|---|---|---|---|
| Seq. No. | 7674 | Seq. ID | OJ990601_03.9A26.C3 |
| Gene No. | 16179 | Strand | + |
| Start | 279 | End | 377 |
| Name | OJ990601_03.9A26.C3.o1.gp | Method | AAT/GAP |
| Start | 279 | End | 377 |
| GI | LIB3477-003-P1-K1-E9 | Score | 163 |
| Exons | 279..377 | | |
| GI Descrip. | '2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]' | | |

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|---|---|---|---|
| Seq. No. | 7675 | Seq. ID | OJ990601_03.9A26.C4 |
| Gene No. | 16180 | Strand | - |
| Start | 198 | End | 511 |
| Name | OJ990601_03.9A26.C4.o1.gs | Method | GENSCAN |
| Start | 198 | End | 496 |
| GI | none | Score | .5 |
| Exons | 198..318, 435..496 | | |

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|---|---|---|---|
| Seq. No. | 7675 | Seq. ID | OJ990601_03.9A26.C4 |

| | | | |
|---|---|---|---|
| Gene No. | 16180 | Strand | - |
| Start | 198 | End | 511 |
| Name | OJ990601_03.9A26.C4.o1.gp | Method | AAT/GAP |
| Start | 201 | End | 511 |
| GI | none | Score | 342 |
| Exons | 201..318, 435..511 | | |

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|---|---|---|---|
| Seq. No. | 7676 | Seq. ID | OJ990601_03.9A26.C5 |
| Gene No. | 16181 | Strand | - |
| Start | 98 | End | 178 |
| Name | OJ990601_03.9A26.C5.o1.gp | Method | AAT/GAP |
| Start | 98 | End | 178 |
| GI | 38012_1.R1084 | Score | 105 |
| Exons | 98..178 | | |
| GI Descrip. | '4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds' | | |

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|---|---|---|---|
| Seq. No. | 7677 | Seq. ID | OJ990601_03.9A26.C6 |
| Gene No. | 16182 | Strand | - |
| Start | 1 | End | 693 |
| Name | OJ990601_03.9A26.C6.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 693 |
| GI | 90811_1.R1084 | Score | 450 |
| Exons | 1..118, 294..351, 434..461, 618..693 | | |
| GI Descrip. | '2388999/emb\|CAB11732\| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]' | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.gs | Method | GENSCAN |
| Start | 248 | End | 2310 |
| GI | none | Score | .82 |
| Exons | 248..322, 606..917, 1002..1141, 2006..2069, 2158..2310 | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.tm | Method | TBLASTX:Maize |
| Start | 569 | End | 2371 |
| GI | none | Score | 260 |
| Exons | 569..907, 606..914, 606..914, 607..915, 973..1143, 999..1142, 1033..1143, 1995..2063, 2008..2067, 2167..2298, 2179..2277, 2285..2371, 2290..2370 | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.ts | Method | TBLASTX:Soybean |
| Start | 588 | End | 2063 |
| GI | none | Score | 186 |
| Exons | 588..917, 634..918, 1002..1136, 1003..1143, 2007..2063 | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.np | Method | AAT/NAP |

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|---|---|---|---|
| Start | 597 | End | 2034 |
| GI | 1707021 | Score | 496 |
| Exons | 597..917, 1002..1172, 1982..2034 | | |
| GI Descrip. | (U78721) putative ubiquitin-conjugating enzyme E2 [Arabidopsis thaliana] | | |

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| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.gp | Method | AAT/GAP |
| Start | 606 | End | 2058 |
| GI | 4231_1.R1084 | Score | 907 |
| Exons | 606..917, 1002..1141, 2006..2058 | | |
| GI Descrip. | '3757521 1.0e-68 (AC005167) unknown protein [Arabidopsis thaliana]' | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.tw | Method | TBLASTX:Wheat |
| Start | 609 | End | 1119 |
| GI | none | Score | 203 |
| Exons | 609..917, 652..918, 1002..1118, 1003..1119 | | |

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|---|---|---|---|
| Seq. No. | 7678 | Seq. ID | OJ990601_03.9A26.C7 |
| Gene No. | 16183 | Strand | - |
| Start | 248 | End | 2371 |
| Name | OJ990601_03.9A26.C7.o1.tc | Method | TBLASTX:Cress |
| Start | 684 | End | 2262 |
| GI | none | Score | 131 |
| Exons | 684..914, 721..903, 999..1139, 1036..1131, 1995..2063, 2170..2262 | | |

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|---|---|---|---|
| Seq. No. | 7679 | Seq. ID | OJ990601_03.9A26.C8 |
| Gene No. | 16184 | Strand | + |
| Start | 622 | End | 849 |
| Name | OJ990601_03.9A26.C8.o2.gp | Method | AAT/GAP |
| Start | 622 | End | 849 |
| GI | none | Score | 383 |
| Exons | 622..849 | | |

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|---|---|---|---|
| Seq. No. | 7679 | Seq. ID | OJ990601_03.9A26.C8 |
| Gene No. | 16185 | Strand | - |
| Start | 288 | End | 928 |
| Name | OJ990601_03.9A26.C8.o1.tm | Method | TBLASTX:Maize |
| Start | 277 | End | 827 |
| GI | none | Score | 80 |
| Exons | 277..345, 290..349, 449..547, 459..506, 461..559, 567..671, 572..664, 583..672, 586..756, 779..826, 786..827, 787..816, 795..827 | | |

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| Seq. No. | 7679 | Seq. ID | OJ990601_03.9A26.C8 |
| Gene No. | 16185 | Strand | - |
| Start | 288 | End | 928 |
| Name | OJ990601_03.9A26.C8.o1.gp | Method | AAT/GAP |
| Start | 288 | End | 608 |
| GI | uC-osflcyp096e11b1 | Score | 411 |

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| Exons | 288..351, 440..608 | | |
| GI Descrip. | '3757521 4.0e-17 (AC005167) unknown protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7679 | Seq. ID | OJ990601_03.9A26.C8 |
| Gene No. | 16185 | Strand | - |
| Start | 288 | End | 928 |
| Name | OJ990601_03.9A26.C8.o1.tc | Method | TBLASTX:Cress |
| Start | 567 | End | 928 |
| GI | none | Score | 132 |
| Exons | 567..671, 572..664, 583..672, 586..756, 779..928, 795..851 | | |

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|---|---|---|---|
| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16186 | Strand | + |
| Start | 206 | End | 1123 |
| Name | OJ990601_03.9A26.C9.o1.gs | Method | GENSCAN |
| Start | 206 | End | 1123 |
| GI | none | Score | .86 |
| Exons | 206..345, 397..512, 918..1123 | | |

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|---|---|---|---|
| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16187 | Strand | + |
| Start | 1713 | End | 2206 |
| Name | OJ990601_03.9A26.C9.o1.gp | Method | AAT/GAP |
| Start | 1713 | End | 2206 |
| GI | none | Score | 789 |
| Exons | 1713..2206 | | |

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|---|---|---|---|
| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.gs | Method | GENSCAN |
| Start | 2242 | End | 10087 |
| GI | none | Score | .71 |
| Exons | 2242..3279, 3452..3607, 4625..5383, 6708..6947, 8911..9177, 9567..10087 | | |

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|---|---|---|---|
| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o1.np | Method | AAT/NAP |
| Start | 2284 | End | 6914 |
| GI | 2062175 | Score | 1393 |
| Exons | 2284..3279, 3452..3607, 4625..5383, 6708..6914 | | |
| GI Descrip. | (AC001645) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o1.tm | Method | TBLASTX:Maize |
| Start | 2354 | End | 4696 |
| GI | none | Score | 85 |
| Exons | 2354..2413, 2354..2422, 2355..2414, 2356..2418, 2356..2436, 2375..2650, 2380..2493, 2396..2656, 2400..2660, 2554..2661, 2641..2988, 2642..2989, 2642..2989, 2945..3025, 2995..3054, 3037..3156, 3056..3100, 3060..3101, 3165..3239, 3167..3217, 3241..3279, 3242..3286, 3449..3616, 3450..3608, 4613..4696, | | |

4619..4696

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o4.ts | Method | TBLASTX:Soybean |
| Start | 2794 | End | 5051 |
| GI | none | Score | 59 |
| Exons | 2794..2850, 2947..3024, 2948..3025, 3130..3204, 3449..3610, 3450..3608, 4613..4789, 4623..4805, 4624..4812, 4872..5003, 4919..5005, 5007..5051 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.gp | Method | AAT/GAP |
| Start | 2914 | End | 3141 |
| GI | 2309882 | Score | 415 |
| Exons | 2914..3141 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o3.gp | Method | AAT/GAP |
| Start | 3494 | End | 4982 |
| GI | uC-osroM202039b11b1 | Score | 908 |
| Exons | 3494..3607, 4625..4982 | | |
| GI Descrip. | '2062175 3.0e-34 (AC001645) hypothetical protein [Arabidopsis thaliana]' | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o3.tm | Method | TBLASTX:Maize |
| Start | 4842 | End | 5301 |
| GI | none | Score | 204 |
| Exons | 4842..5009, 4845..5018, 4898..5023, 4994..5293, 4994..5299, 5022..5300, 5029..5301, 5197..5301 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o1.tc | Method | TBLASTX:Cress |
| Start | 4907 | End | 5344 |
| GI | none | Score | 56 |
| Exons | 4907..5065, 4917..4979, 5025..5066, 5087..5344, 5088..5342 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.ts | Method | TBLASTX:Soybean |
| Start | 5303 | End | 6923 |
| GI | none | Score | 99 |
| Exons | 5303..5386, 5307..5387, 5310..5399, 5312..5398, 6732..6923 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |

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|---|---|---|---|
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o5.tm | Method | TBLASTX:Maize |
| Start | 5334 | End | 6953 |
| GI | none | Score | 75 |
| Exons | 5334..5387, 5336..5401, 6704..6751, 6732..6770, 6768..6821, 6825..6890, 6853..6891, 6891..6953 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.tc | Method | TBLASTX:Cress |
| Start | 6732 | End | 6918 |
| GI | none | Score | 72 |
| Exons | 6732..6917, 6853..6918 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o4.tm | Method | TBLASTX:Maize |
| Start | 8868 | End | 9135 |
| GI | none | Score | 103 |
| Exons | 8868..9032, 8868..9089, 8870..9094, 8968..9093, 9091..9135, 9095..9133 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.np | Method | AAT/NAP |
| Start | 8872 | End | 10180 |
| GI | 6850339 | Score | 828 |
| Exons | 8872..9177, 9567..10180 | | |
| GI Descrip. | (AC022354) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o1.ts | Method | TBLASTX:Soybean |
| Start | 8875 | End | 9151 |
| GI | none | Score | 130 |
| Exons | 8875..9072, 8875..9150, 8921..9151 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o2.tm | Method | TBLASTX:Maize |
| Start | 9569 | End | 9993 |
| GI | none | Score | 384 |
| Exons | 9569..9670, 9570..9974, 9570..9992, 9571..9993 | | |

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| Seq. No. | 7680 | Seq. ID | OJ990601_03.9A26.C9 |
| Gene No. | 16188 | Strand | - |
| Start | 2242 | End | 10180 |
| Name | OJ990601_03.9A26.C9.o3.ts | Method | TBLASTX:Soybean |
| Start | 9801 | End | 10091 |
| GI | none | Score | 139 |
| Exons | 9801..9908, 9873..10091, 9901..10089, 9957..10091 | | |

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| Seq. No. | 7681 | Seq. ID | OJ990601_03.9A26.C10 |
| Gene No. | 16189 | Strand | - |
| Start | 1 | End | 5044 |
| Name | OJ990601_03.9A26.C10.o1.np | Method | AAT/NAP |
| Start | 1 | End | 5044 |
| GI | 6850339 | Score | 1035 |
| Exons | 1..301, 1020..1158, 1864..2174, 2660..3049, 3162..3205, 3308..3362, 3468..3512, 3789..3878, 4889..5044 | | |
| GI Descrip. | (AC022354) hypothetical protein [Arabidopsis thaliana] | | |

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| Seq. No. | 7681 | Seq. ID | OJ990601_03.9A26.C10 |
| Gene No. | 16189 | Strand | - |
| Start | 1 | End | 5044 |
| Name | OJ990601_03.9A26.C10.o1.gs | Method | GENSCAN |
| Start | 52 | End | 4942 |
| GI | none | Score | .86 |
| Exons | 52..292, 886..936, 1020..1158, 1909..2174, 2660..3049, 3162..3205, 3308..3362, 3468..3512, 3789..3878, 4889..4942 | | |

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| Seq. No. | 7681 | Seq. ID | OJ990601_03.9A26.C10 |
| Gene No. | 16189 | Strand | - |
| Start | 1 | End | 5044 |
| Name | OJ990601_03.9A26.C10.o1.tw | Method | TBLASTX:Wheat |
| Start | 170 | End | 2025 |
| GI | none | Score | 72 |
| Exons | 170..295, 171..293, 172..294, 173..301, 886..933, 903..932, 1011..1196, 1012..1158, 1911..2024, 1911..2024, 1912..2025 | | |

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| Seq. No. | 7681 | Seq. ID | OJ990601_03.9A26.C10 |
| Gene No. | 16189 | Strand | - |
| Start | 1 | End | 5044 |
| Name | OJ990601_03.9A26.C10.o1.tm | Method | TBLASTX:Maize |
| Start | 254 | End | 2195 |
| GI | none | Score | 40 |
| Exons | 254..289, 877..930, 909..932, 1011..1157, 1050..1157, 1902..2030, 1908..2030, 1909..2031, 2020..2175, 2031..2174, 2037..2195 | | |

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| Seq. No. | 7681 | Seq. ID | OJ990601_03.9A26.C10 |
| Gene No. | 16189 | Strand | - |
| Start | 1 | End | 5044 |
| Name | OJ990601_03.9A26.C10.o1.ts | Method | TBLASTX:Soybean |
| Start | 2996 | End | 4927 |
| GI | none | Score | 69 |
| Exons | 2996..3049, 3157..3213, 3159..3206, 3298..3369, 3306..3368, 3465..3506, 3469..3513, 3789..3884, 3790..3885, 4850..4927 | | |

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|---|---|---|---|
| Seq. No. | 7682 | Seq. ID | OJ990601_03.9A26.C11 |
| Gene No. | 16190 | Strand | + |
| Start | 619 | End | 2240 |
| Name | OJ990601_03.9A26.C11.o1.gs | Method | GENSCAN |
| Start | 619 | End | 2240 |
| GI | none | Score | .85 |
| Exons | 619..720, 2006..2240 | | |

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|---|---|---|---|
| Seq. No. | 7683 | Seq. ID | OJ990601_03.9A26.C12 |
| Gene No. | 16191 | Strand | - |

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|---|---|---|---|
| Start | 546 | End | 1473 |
| Name | OJ990601_03.9A26.C12.o1.gs | Method | GENSCAN |
| Start | 546 | End | 1473 |
| GI | none | Score | .42 |
| Exons | 546..621, 1439..1473 | | |

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|---|---|---|---|
| Seq. No. | 7684 | Seq. ID | OJ990601_03.9A26.C13 |
| Gene No. | 16192 | Strand | + |
| Start | 3310 | End | 3390 |
| Name | OJ990601_03.9A26.C13.o1.gp | Method | AAT/GAP |
| Start | 3310 | End | 3390 |
| GI | 38012_1.R1084 | Score | 106 |
| Exons | 3310..3390 | | |
| GI Descrip. | '4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds' | | |

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| Seq. No. | 7684 | Seq. ID | OJ990601_03.9A26.C13 |
| Gene No. | 16193 | Strand | + |
| Start | 5068 | End | 7598 |
| Name | OJ990601_03.9A26.C13.o2.gs | Method | GENSCAN |
| Start | 5068 | End | 7598 |
| GI | none | Score | .44 |
| Exons | 5068..5106, 5236..5376, 7530..7598 | | |

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| Seq. No. | 7684 | Seq. ID | OJ990601_03.9A26.C13 |
| Gene No. | 16194 | Strand | - |
| Start | 3617 | End | 3994 |
| Name | OJ990601_03.9A26.C13.o1.gs | Method | GENSCAN |
| Start | 3617 | End | 3994 |
| GI | none | Score | .64 |
| Exons | 3617..3800, 3942..3994 | | |

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|---|---|---|---|
| Seq. No. | 7684 | Seq. ID | OJ990601_03.9A26.C13 |
| Gene No. | 16195 | Strand | - |
| Start | 9304 | End | 10368 |
| Name | OJ990601_03.9A26.C13.o3.gs | Method | GENSCAN |
| Start | 9304 | End | 10368 |
| GI | none | Score | .79 |
| Exons | 9304..9555, 9599..9783, 9866..10050, 10242..10368 | | |

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| Seq. No. | 7685 | Seq. ID | OJ990601_03.9A26.C14 |
| Gene No. | 16196 | Strand | + |
| Start | 424 | End | 2000 |
| Name | OJ990601_03.9A26.C14.o1.gs | Method | GENSCAN |
| Start | 424 | End | 2000 |
| GI | none | Score | .85 |
| Exons | 424..1332, 1479..2000 | | |

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| Seq. No. | 7685 | Seq. ID | OJ990601_03.9A26.C14 |
| Gene No. | 16196 | Strand | + |
| Start | 424 | End | 2000 |
| Name | OJ990601_03.9A26.C14.o1.np | Method | AAT/NAP |
| Start | 678 | End | 1748 |
| GI | 5668798 | Score | 387 |
| Exons | 678..1347, 1377..1748 | | |
| GI Descrip. | (AC007519) Contains 6 PF\|00400 WD40 G-beta repeat domains. [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7686 | Seq. ID | OJ990601_03.9A26.C15 |
| Gene No. | 16197 | Strand | + |
| Start | 628 | End | 693 |
| Name | OJ990601_03.9A26.C15.o1.gs | Method | GENSCAN |
| Start | 628 | End | 693 |
| GI | none | Score | .47 |
| Exons | 628..693 | | |

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| Seq. No. | 7686 | Seq. ID | OJ990601_03.9A26.C15 |
| Gene No. | 16198 | Strand | - |
| Start | 64 | End | 254 |
| Name | OJ990601_03.9A26.C15.o1.gp | Method | AAT/GAP |
| Start | 64 | End | 254 |
| GI | none | Score | 352 |
| Exons | 64..254 | | |

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|---|---|---|---|
| Seq. No. | 7687 | Seq. ID | OJ990601_03.9A26.C18 |
| Gene No. | 16199 | Strand | + |
| Start | 64 | End | 480 |
| Name | OJ990601_03.9A26.C18.o1.gp | Method | AAT/GAP |
| Start | 64 | End | 480 |
| GI | 90811_1.R1084 | Score | 413 |
| Exons | 64..121, 297..480 | | |
| GI Descrip. | '2388999/emb\|CAB11732\| 8.0e-10 (Z98981) hypothetical protein [Schizosaccharomyces pombe]' | | |

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| Seq. No. | 7687 | Seq. ID | OJ990601_03.9A26.C18 |
| Gene No. | 16200 | Strand | + |
| Start | 481 | End | 727 |
| Name | OJ990601_03.9A26.C18.o2.gp | Method | AAT/GAP |
| Start | 481 | End | 727 |
| GI | none | Score | 406 |
| Exons | 481..727 | | |

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|---|---|---|---|
| Seq. No. | 7688 | Seq. ID | OJ990601_03.9A26.C19 |
| Gene No. | 16201 | Strand | - |
| Start | 237 | End | 1151 |
| Name | OJ990601_03.9A26.C19.o1.gs | Method | GENSCAN |
| Start | 237 | End | 1151 |
| GI | none | Score | .61 |
| Exons | 237..258, 595..704, 1089..1151 | | |

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|---|---|---|---|
| Seq. No. | 7689 | Seq. ID | OJ990601_03.9A26.C20 |
| Gene No. | 16202 | Strand | - |
| Start | 1 | End | 1288 |
| Name | OJ990601_03.9A26.C20.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1288 |
| GI | 6850339 | Score | 602 |
| Exons | 1..220, 302..476, 576..789, 1120..1288 | | |
| GI Descrip. | (AC022354) hypothetical protein [Arabidopsis thaliana] | | |

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|---|---|---|---|
| Seq. No. | 7689 | Seq. ID | OJ990601_03.9A26.C20 |
| Gene No. | 16202 | Strand | - |
| Start | 1 | End | 1288 |
| Name | OJ990601_03.9A26.C20.o1.ts | Method | TBLASTX:Soybean |
| Start | 31 | End | 359 |

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|---|---|---|---|
| GI | none | Score | 149 |
| Exons | 31..198, 32..196, 46..237, 289..357, 302..355, 303..359 | | |

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|---|---|---|---|
| Seq. No. | 7689 | Seq. ID | OJ990601_03.9A26.C20 |
| Gene No. | 16202 | Strand | - |
| Start | 1 | End | 1288 |
| Name | OJ990601_03.9A26.C20.o1.tc | Method | TBLASTX:Cress |
| Start | 127 | End | 627 |
| GI | none | Score | 76 |
| Exons | 127..216, 128..220, 304..477, 317..475, 562..627, 583..618 | | |

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|---|---|---|---|
| Seq. No. | 7689 | Seq. ID | OJ990601_03.9A26.C20 |
| Gene No. | 16202 | Strand | - |
| Start | 1 | End | 1288 |
| Name | OJ990601_03.9A26.C20.o1.tm | Method | TBLASTX:Maize |
| Start | 180 | End | 776 |
| GI | none | Score | 56 |
| Exons | 180..218, 181..222, 182..223, 299..556, 301..558, 306..557, 307..558, 616..774, 621..776, 637..771 | | |

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|---|---|---|---|
| Seq. No. | 7689 | Seq. ID | OJ990601_03.9A26.C20 |
| Gene No. | 16202 | Strand | - |
| Start | 1 | End | 1288 |
| Name | OJ990601_03.9A26.C20.o1.tw | Method | TBLASTX:Wheat |
| Start | 664 | End | 795 |
| GI | none | Score | 110 |
| Exons | 664..789, 666..788, 667..795 | | |

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|---|---|---|---|
| Seq. No. | 7690 | Seq. ID | OJ990601_03.9A26.C21 |
| Gene No. | 16203 | Strand | + |
| Start | 180 | End | 839 |
| Name | OJ990601_03.9A26.C21.o1.gs | Method | GENSCAN |
| Start | 180 | End | 839 |
| GI | none | Score | .99 |
| Exons | 180..839 | | |

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|---|---|---|---|
| Seq. No. | 7691 | Seq. ID | OJ990601_03.9A26.C22 |
| Gene No. | 16204 | Strand | - |
| Start | 338 | End | 436 |
| Name | OJ990601_03.9A26.C22.o1.gs | Method | GENSCAN |
| Start | 338 | End | 436 |
| GI | none | Score | .47 |
| Exons | 338..436 | | |

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|---|---|---|---|
| Seq. No. | 7692 | Seq. ID | OJ990601_03.9A26.C24 |
| Gene No. | 16205 | Strand | + |
| Start | 119 | End | 207 |
| Name | OJ990601_03.9A26.C24.o1.gs | Method | GENSCAN |
| Start | 119 | End | 207 |
| GI | none | Score | .73 |
| Exons | 119..207 | | |

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|---|---|---|---|
| Seq. No. | 7693 | Seq. ID | OJ990601_03.9A26.C26 |
| Gene No. | 16206 | Strand | + |
| Start | 1 | End | 1823 |
| Name | OJ990601_03.9A26.C26.o1.np | Method | AAT/NAP |
| Start | 1 | End | 1823 |

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|---|---|---|---|
| GI | 6331695 | Score | 181 |
| Exons | 1..45, 1591..1686, 1780..1823 | | |
| GI Descrip. | (AB024986) cyclin [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7693 | Seq. ID | OJ990601_03.9A26.C26 |
| Gene No. | 16206 | Strand | + |
| Start | 1 | End | 1823 |
| Name | OJ990601_03.9A26.C26.o2.tm | Method | TBLASTX:Maize |
| Start | 425 | End | 653 |
| GI | none | Score | 123 |
| Exons | 425..652, 426..653 | | |

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|---|---|---|---|
| Seq. No. | 7693 | Seq. ID | OJ990601_03.9A26.C26 |
| Gene No. | 16206 | Strand | + |
| Start | 1 | End | 1823 |
| Name | OJ990601_03.9A26.C26.o1.tm | Method | TBLASTX:Maize |
| Start | 1591 | End | 1823 |
| GI | none | Score | 164 |
| Exons | 1591..1692, 1593..1688, 1600..1746, 1758..1823, 1774..1821 | | |

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|---|---|---|---|
| Seq. No. | 7693 | Seq. ID | OJ990601_03.9A26.C26 |
| Gene No. | 16206 | Strand | + |
| Start | 1 | End | 1823 |
| Name | OJ990601_03.9A26.C26.o1.ts | Method | TBLASTX:Soybean |
| Start | 1591 | End | 1823 |
| GI | none | Score | 140 |
| Exons | 1591..1692, 1599..1688, 1615..1692, 1767..1823, 1774..1821 | | |

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|---|---|---|---|
| Seq. No. | 7693 | Seq. ID | OJ990601_03.9A26.C26 |
| Gene No. | 16206 | Strand | + |
| Start | 1 | End | 1823 |
| Name | OJ990601_03.9A26.C26.o1.gp | Method | AAT/GAP |
| Start | 1592 | End | 1823 |
| GI | 97_1.R1084 | Score | 237 |
| Exons | 1592..1686, 1780..1823 | | |
| GI Descrip. | '1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7694 | Seq. ID | OJ990601_03.9A26.C27 |
| Gene No. | 16207 | Strand | + |
| Start | 1 | End | 783 |
| Name | OJ990601_03.9A26.C27.o1.tm | Method | TBLASTX:Maize |
| Start | 1 | End | 558 |
| GI | none | Score | 141 |
| Exons | 1..144, 7..144, 227..388, 241..387, 254..388, 255..389, 306..398, 477..557, 478..558, 479..547 | | |

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|---|---|---|---|
| Seq. No. | 7694 | Seq. ID | OJ990601_03.9A26.C27 |
| Gene No. | 16207 | Strand | + |
| Start | 1 | End | 783 |
| Name | OJ990601_03.9A26.C27.o1.gp | Method | AAT/GAP |
| Start | 1 | End | 783 |
| GI | 97_1.R1084 | Score | 884 |
| Exons | 1..145, 255..389, 480..783 | | |
| GI Descrip. | '1399510 0.0e+00 (U50064) type A-like cyclin [Zea mays]' | | |

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|---|---|---|---|
| Seq. No. | 7694 | Seq. ID | OJ990601_03.9A26.C27 |
| Gene No. | 16207 | Strand | + |

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|---|---|---|---|
| Start | 1 | End | 783 |
| Name | OJ990601_03.9A26.C27.o1.np | Method | AAT/NAP |
| Start | 1 | End | 548 |
| GI | 6331695 | Score | 524 |
| Exons | 1..145, 255..389, 480..548 | | |
| GI Descrip. | (AB024986) cyclin [Oryza sativa] | | |

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|---|---|---|---|
| Seq. No. | 7694 | Seq. ID | OJ990601_03.9A26.C27 |
| Gene No. | 16207 | Strand | + |
| Start | 1 | End | 783 |
| Name | OJ990601_03.9A26.C27.o1.ts | Method | TBLASTX:Soybean |
| Start | 2 | End | 546 |
| GI | none | Score | 108 |
| Exons | 2..151, 4..141, 254..388, 255..389, 477..539, 478..546, 479..532 | | |

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|---|---|---|---|
| Seq. No. | 7694 | Seq. ID | OJ990601_03.9A26.C27 |
| Gene No. | 16207 | Strand | + |
| Start | 1 | End | 783 |
| Name | OJ990601_03.9A26.C27.o1.tc | Method | TBLASTX:Cress |
| Start | 255 | End | 542 |
| GI | none | Score | 160 |
| Exons | 255..389, 257..388, 477..542, 479..532 | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16208 | Strand | + |
| Start | 1041 | End | 3480 |
| Name | OJ990601_03.9A26.C28.o1.gp | Method | AAT/GAP |
| Start | 1041 | End | 3480 |
| GI | 18485_1.R1084 | Score | 2304 |
| Exons | 1041..1143, 1300..1440, 1545..1634, 1726..1813, 2671..3480 | | |
| GI Descrip. | '1592812/emb\|CAA65195\| 6.0e-12 (X95957) 22 kDa polypeptide [Nicotiana tabacum]' | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16208 | Strand | + |
| Start | 1041 | End | 3480 |
| Name | OJ990601_03.9A26.C28.o1.gs | Method | GENSCAN |
| Start | 1336 | End | 3002 |
| GI | none | Score | .82 |
| Exons | 1336..1440, 1545..1634, 1726..1813, 2671..3002 | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16208 | Strand | + |
| Start | 1041 | End | 3480 |
| Name | OJ990601_03.9A26.C28.o1.np | Method | AAT/NAP |
| Start | 1339 | End | 2975 |
| GI | 1592812 | Score | 259 |
| Exons | 1339..1446, 1545..1634, 1726..1813, 2671..2975 | | |
| GI Descrip. | (X95957) 22 kDa polypeptide [Nicotiana tabacum] | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16209 | Strand | - |
| Start | 4413 | End | 10631 |
| Name | OJ990601_03.9A26.C28.o1.tm | Method | TBLASTX:Maize |
| Start | 1329 | End | 1821 |
| GI | none | Score | 164 |
| Exons | 1329..1364, 1333..1440, 1349..1441, 1545..1571, 1579..1635, | | |

1580..1639, 1720..1821, 1725..1817

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16209 | Strand | - |
| Start | 4413 | End | 10631 |
| Name | OJ990601_03.9A26.C28.o1.tw | Method | TBLASTX:Wheat |
| Start | 1330 | End | 1752 |
| GI | none | Score | 176 |
| Exons | 1330..1440, 1349..1441, 1545..1571, 1579..1635, 1580..1636, 1720..1752 | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16209 | Strand | - |
| Start | 4413 | End | 10631 |
| Name | OJ990601_03.9A26.C28.o2.gs | Method | GENSCAN |
| Start | 4413 | End | 10631 |
| GI | none | Score | .91 |
| Exons | 4413..4438, 4762..4848, 6545..6591, 6649..7333, 7442..7532, 7721..7906, 8349..8600, 8930..9034, 9615..9677, 10542..10631 | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16209 | Strand | - |
| Start | 4413 | End | 10631 |
| Name | OJ990601_03.9A26.C28.o3.gp | Method | AAT/GAP |
| Start | 6993 | End | 7238 |
| GI | 2796687 | Score | 429 |
| Exons | 6993..7238 | | |

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|---|---|---|---|
| Seq. No. | 7695 | Seq. ID | OJ990601_03.9A26.C28 |
| Gene No. | 16209 | Strand | - |
| Start | 4413 | End | 10631 |
| Name | OJ990601_03.9A26.C28.o2.tm | Method | TBLASTX:Maize |
| Start | 7700 | End | 8450 |
| GI | none | Score | 82 |
| Exons | 7700..7906, 8349..8450 | | |

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|---|---|---|---|
| Seq. No. | 7696 | Seq. ID | OJ990601_03.9A26.C29 |
| Gene No. | 16210 | Strand | + |
| Start | 7580 | End | 9674 |
| Name | OJ990601_03.9A26.C29.o1.gp | Method | AAT/GAP |
| Start | 7580 | End | 9674 |
| GI | 2309855 | Score | 791 |
| Exons | 7580..7798, 8514..8603, 9210..9236, 9577..9674 | | |

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|---|---|---|---|
| Seq. No. | 7696 | Seq. ID | OJ990601_03.9A26.C29 |
| Gene No. | 16211 | Strand | + |
| Start | 12922 | End | 13177 |
| Name | OJ990601_03.9A26.C29.o2.gp | Method | AAT/GAP |
| Start | 12922 | End | 13177 |
| GI | none | Score | 508 |
| Exons | 12922..13177 | | |

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|---|---|---|---|
| Seq. No. | 7696 | Seq. ID | OJ990601_03.9A26.C29 |
| Gene No. | 16212 | Strand | - |
| Start | 914 | End | 2684 |
| Name | OJ990601_03.9A26.C29.o1.np | Method | AAT/NAP |
| Start | 914 | End | 2684 |